



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E13-10679**

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefrin".

Michael H. Lefrin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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NELAC is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (111402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E13-10679

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/25/2013@16:00

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
10679-001	CC-47(0-1.0)	0/1.0	10/25/2013@10:08	Soil	1
10679-002	CC-47(1.0-2.0)	1.0/2.0	10/25/2013@10:09	Soil	1
10679-003	DD-47(0-1.0)	0/1.0	10/25/2013@10:45	Soil	1
10679-004	DD-47(1.0-2.0)	1.0/2.0	10/25/2013@10:46	Soil	1
10679-005	BB-47(0-1.0)	0/1.0	10/25/2013@11:20	Soil	1
10679-006	BB-47(1.0-2.0)	1.0/2.0	10/25/2013@11:21	Soil	1
10679-007	BB-47(2.0-3.0)	2.0/3.0	10/25/2013@11:22	Soil	1
10679-008	AA-47(0-1.0)	0/1.0	10/25/2013@12:05	Soil	1
10679-009	AA-47(1.0-2.0)	1.0/2.0	10/25/2013@12:06	Soil	1
10679-010	AA-47(2.0-3.0)	2.0/3.0	10/25/2013@12:07	Soil	1
10679-011	AA-47(3.0-4.0)	3.0/4.0	10/25/2013@12:08	Soil	1
10679-012	U-45R(2.0-3.0)	2.0/3.0	10/25/2013@13:15	Soil	1
10679-013	U-45R(3.0-4.0)	3.0/4.0	10/25/2013@13:16	Soil	1
10679-014	U-45N(1)(5.0-6.0)	5.0/6.0	10/25/2013@13:43	Soil	1
10679-015	T-45(4.0-5.0)	4.0/5.0	10/25/2013@14:05	Soil	1
10679-016	FB-26	n/a	10/25/2013@14:15	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on November 08, 2013

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B** Indicates the analyte was found in the associated method blank as well as in the sample.
It indicates probable laboratory contamination.
- C** Indicates analyte is a common laboratory contaminant.
- D** Indicates analyte was reported from diluted analysis.
- E** Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument.
- J** Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL or for qualification of tentatively identified compounds.
- N** Presumptive evidence of a compound from the use of GC/MS library search.
- X** Indicates samples analyzed for total and dissolved metals differ at $\leq 20\%$ RPD.
- Z** Indicates internal standard failure. Sample results are either biased high or biased low.

REPORTING DEFINITIONS

- RL** Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.
- MDL** Method Detection Limit as determined according to 40CFR Part 136 Appendix B.
- PQL** Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.
- ND** Indicates analyte was analyzed for but not detected above the MDL.
- DF** Dilution Factor
- LCS** Laboratory Control Sample
- LCSD** Laboratory Control Sample Duplicate
- MS** Matrix Spike
- MSD** Matrix Spike Duplicate
- DUP** Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

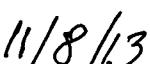
CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and fifteen (15) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-10679, Project: ARSYNCO) on October 25, 2013 for the analysis of:

(16) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:


Reviewed by


Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10679

PCB By 8082A

Batch ID: 131029-04

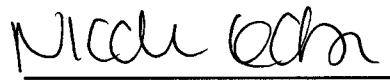
Matrix: Soil

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 010, 011, 012, 013, 014, 015

E13-10679

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed for samples 10679 -010 through -015.

 10/30/2013

Signature

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10679

PCB By 8082A

Batch ID: 131028-12	Matrix: Soil
----------------------------	---------------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009
- E13-10679**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Samples 10679 -002, -004 were run with 5x dilution due to high concentrations of the target compounds. No dilution was performed for samples 10679 -001, -003, -005 through -009.



Signature

10/30/2013

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

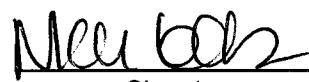
SDG#: E13-10679

PCB By 8082A

Batch ID: 131101-10

Matrix: Aqueous

- | | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QC | <ul style="list-style-type: none">- Calibration Curve met QC criteria.- Surrogate Percent Recovery met QC criteria.- Method Blank met QC criteria.- LCS Percent Recovery met QC criteria.- MS/MSD Percent Recovery met QC criteria.- RPD between MS/MSD met QC criteria.- The following samples were cleaned up using method 3660B to remove sulfur: 016- The following samples were cleaned up using method 3665A: 016 |
| E13-10679 | <ul style="list-style-type: none">- All samples were extracted within holding time.- All samples were analyzed within holding time.- Retention Time Shift met QC criteria.- No dilution was performed for sample 10679 -016. |



Melinda

11/4/2013

Signature

Date

RESULTS SUMMARY REPORT

E13-10679 0007

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-10679

Lab ID:	10679-016									
Client ID:	FB-26									
Matrix:	Aqueous									
Sampled Date	10/25/13									
PARAMETER(Units)	Conc	Q	MDL							
PCB's (Units)	<i>(mg/L-ppm)</i>									
Aroclor-1016	ND	0.00002								
Aroclor-1221	ND	0.00002								
Aroclor-1232	ND	0.00002								
Aroclor-1242	ND	0.00002								
Aroclor-1248	ND	0.00002								
Aroclor-1254	ND	0.00002								
Aroclor-1260	ND	0.00002								
Aroclor-1262	ND	0.00002								
Aroclor-1268	ND	0.00002								
PCBs	ND									
Lab ID:	10679-001	10679-002	10679-003	10679-004						
Client ID:	CC-47(0-1.0)	CC-47(1.0-2.0)	DD-47(0-1.0)	DD-47(1.0-2.0)						
Depth:	0/1.0	1.0/2.0	0/1.0	1.0/2.0						
Matrix:	Soil	Soil	Soil	Soil						
Sampled Date	10/25/13	10/25/13	10/25/13	10/25/13						
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>			
Aroclor-1016	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
Aroclor-1221	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
Aroclor-1232	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
Aroclor-1242	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
Aroclor-1248	11.2	0.056	57.5	D	0.270	2.48	0.058	46.3	D	0.277
Aroclor-1254	ND	0.056	ND	0.054	3.31	0.058	ND	0.055		
Aroclor-1260	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
Aroclor-1262	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
Aroclor-1268	ND	0.056	ND	0.054	ND	0.058	ND	0.055		
PCBs	11.2		57.5	D		5.79		46.3	D	
Lab ID:	10679-005	10679-006	10679-007	10679-008						
Client ID:	BB-47(0-1.0)	BB-47(1.0-2.0)	BB-47(2.0-3.0)	AA-47(0-1.0)						
Depth:	0/1.0	1.0/2.0	2.0/3.0	0/1.0						
Matrix:	Soil	Soil	Soil	Soil						
Sampled Date	10/25/13	10/25/13	10/25/13	10/25/13						
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>			
Aroclor-1016	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1221	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1232	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1242	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1248	5.66	0.043	1.00	0.080	ND	0.019	3.83	0.060		
Aroclor-1254	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1260	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1262	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
Aroclor-1268	ND	0.043	ND	0.080	ND	0.019	ND	0.060		
PCBs	5.66		1.00		ND		3.83			

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

D = The compound was reported from the Diluted analysis

E13-10679 0008

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-10679

	Lab ID: Client ID: Depth: Matrix: Sampled Date	10679-009 AA-47(1.0-2.0) 1.0/2.0 Soil 10/25/13	10679-010 AA-47(2.0-3.0) 2.0/3.0 Soil 10/25/13	10679-011 AA-47(3.0-4.0) 3.0/4.0 Soil 10/25/13	10679-012 U-45R(2.0-3.0) 2.0/3.0 Soil 10/25/13
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
Aroclor-1221	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
Aroclor-1232	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
Aroclor-1242	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
Aroclor-1248	0.743 0.093	ND 0.059	ND 0.019	0.065 0.020	
Aroclor-1254	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
Aroclor-1260	ND 0.093	ND 0.059	ND 0.019	0.031 J 0.020	
Aroclor-1262	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
Aroclor-1268	ND 0.093	ND 0.059	ND 0.019	ND 0.020	
PCBs	0.743	ND	ND	0.097 J	
	Lab ID: Client ID: Depth: Matrix: Sampled Date	10679-013 U-45R(3.0-4.0) 3.0/4.0 Soil 10/25/13	10679-014 U-45N(1)(5.0-6.0) 5.0/6.0 Soil 10/25/13	10679-015 T-45(4.0-5.0) 4.0/5.0 Soil 10/25/13	
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	
Aroclor-1016	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1221	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1232	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1242	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1248	0.023 J 0.019	ND 0.019	0.100 0.020		
Aroclor-1254	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1260	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1262	ND 0.019	ND 0.019	ND 0.020		
Aroclor-1268	ND 0.019	ND 0.019	ND 0.020		
PCBs	0.023 J	ND	0.100		

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

D = The compound was reported from the Diluted analysis

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-001
Client ID: CC-47(0-
Date Received: 10/25/2013
Date Extracted: 10/28/2013
Date Analyzed: 10/29/2013
Data file: Y2555.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 75.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.141	0.056
Aroclor-1221	ND		0.141	0.056
Aroclor-1232	ND		0.141	0.056
Aroclor-1242	ND		0.141	0.056
Aroclor-1248	11.2		0.141	0.056
Aroclor-1254	ND		0.141	0.056
Aroclor-1260	ND		0.141	0.056
Aroclor-1262	ND		0.141	0.056
Aroclor-1268	ND		0.141	0.056
PCBs	11.2		0.141	0.056

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-002
Client ID: CC-47(1.
Date Received: 10/25/2013
Date Extracted: 10/28/2013
Date Analyzed: 10/29/2013
Data file: Y2556.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.82g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 74.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.135	0.054
Aroclor-1221	ND		0.135	0.054
Aroclor-1232	ND		0.135	0.054
Aroclor-1242	ND		0.135	0.054
Aroclor-1248	46.4	E	0.135	0.054
Aroclor-1254	ND		0.135	0.054
Aroclor-1260	ND		0.135	0.054
Aroclor-1262	ND		0.135	0.054
Aroclor-1268	ND		0.135	0.054
PCBs	46.4	E	0.135	0.054

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-002DL
Client ID: CC-47(1.
Date Received: 10/25/2013
Date Extracted: 10/28/2013
Date Analyzed: 10/29/2013
Data file: Y2565.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.82g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 74.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.674	0.270
Aroclor-1221	ND		0.674	0.270
Aroclor-1232	ND		0.674	0.270
Aroclor-1242	ND		0.674	0.270
Aroclor-1248	57.5	D	0.674	0.270
Aroclor-1254	ND		0.674	0.270
Aroclor-1260	ND		0.674	0.270
Aroclor-1262	ND		0.674	0.270
Aroclor-1268	ND		0.674	0.270
PCBs	57.5	D	0.674	0.270

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-003

Client ID: DD-47(0-

Date Received: 10/25/2013

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2557.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.79g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 76.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.146	0.058
Aroclor-1221	ND		0.146	0.058
Aroclor-1232	ND		0.146	0.058
Aroclor-1242	ND		0.146	0.058
Aroclor-1248	2.48		0.146	0.058
Aroclor-1254	3.31		0.146	0.058
Aroclor-1260	ND		0.146	0.058
Aroclor-1262	ND		0.146	0.058
Aroclor-1268	ND		0.146	0.058
PCBs	5.79		0.146	0.058

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-004

Client ID: DD-47(1)

Date Received: 10/25/2013

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2558.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.65g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 74.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.138	0.055
Aroclor-1221	ND		0.138	0.055
Aroclor-1232	ND		0.138	0.055
Aroclor-1242	ND		0.138	0.055
Aroclor-1248	32.8	E	0.138	0.055
Aroclor-1254	ND		0.138	0.055
Aroclor-1260	ND		0.138	0.055
Aroclor-1262	ND		0.138	0.055
Aroclor-1268	ND		0.138	0.055
PCBs	32.8	E	0.138	0.055

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-004DL
Client ID: DD-47(1)
Date Received: 10/25/2013
Date Extracted: 10/28/2013
Date Analyzed: 10/29/2013
Data file: Y2564.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 74.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.691	0.277
Aroclor-1221	ND		0.691	0.277
Aroclor-1232	ND		0.691	0.277
Aroclor-1242	ND		0.691	0.277
Aroclor-1248	46.3	D	0.691	0.277
Aroclor-1254	ND		0.691	0.277
Aroclor-1260	ND		0.691	0.277
Aroclor-1262	ND		0.691	0.277
Aroclor-1268	ND		0.691	0.277
PCBs	46.3	D	0.691	0.277

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-005

Client ID: BB-47(0-

Date Received: 10/25/2013

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2559.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.94g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 68.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.108	0.043
Aroclor-1221	ND		0.108	0.043
Aroclor-1232	ND		0.108	0.043
Aroclor-1242	ND		0.108	0.043
Aroclor-1248	5.66		0.108	0.043
Aroclor-1254	ND		0.108	0.043
Aroclor-1260	ND		0.108	0.043
Aroclor-1262	ND		0.108	0.043
Aroclor-1268	ND		0.108	0.043
PCBs	5.66		0.108	0.043

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-006

Client ID: BB-47(1)

Date Received: 10/25/2013

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2560.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.95g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 83.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.199	0.080
Aroclor-1221	ND		0.199	0.080
Aroclor-1232	ND		0.199	0.080
Aroclor-1242	ND		0.199	0.080
Aroclor-1248	1.00		0.199	0.080
Aroclor-1254	ND		0.199	0.080
Aroclor-1260	ND		0.199	0.080
Aroclor-1262	ND		0.199	0.080
Aroclor-1268	ND		0.199	0.080
PCBs	1.00		0.199	0.080

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-007

Client ID: BB-47(2)

Date Received: 10/25/2013

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2561.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.77g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 26.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	ND		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	ND		0.047	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-008
Client ID: AA-47(0-
Date Received: 10/25/2013
Date Extracted: 10/28/2013
Date Analyzed: 10/29/2013
Data file: Y2562.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.22g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 74.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.150	0.060
Aroclor-1221	ND		0.150	0.060
Aroclor-1232	ND		0.150	0.060
Aroclor-1242	ND		0.150	0.060
Aroclor-1248	3.83		0.150	0.060
Aroclor-1254	ND		0.150	0.060
Aroclor-1260	ND		0.150	0.060
Aroclor-1262	ND		0.150	0.060
Aroclor-1268	ND		0.150	0.060
PCBs	3.83		0.150	0.060

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-009

Client ID: AA-47(1)

Date Received: 10/25/2013

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2563.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.40g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 84.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.233	0.233	0.093
Aroclor-1221	ND	0.233	0.233	0.093
Aroclor-1232	ND	0.233	0.233	0.093
Aroclor-1242	ND	0.233	0.233	0.093
Aroclor-1248	0.743	0.233	0.233	0.093
Aroclor-1254	ND	0.233	0.233	0.093
Aroclor-1260	ND	0.233	0.233	0.093
Aroclor-1262	ND	0.233	0.233	0.093
Aroclor-1268	ND	0.233	0.233	0.093
PCBs	0.743	0.233	0.233	0.093

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-010
Client ID: AA-47(2.
Date Received: 10/25/2013
Date Extracted: 10/29/2013
Date Analyzed: 10/29/2013
Data file: R5045.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 76.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.148	0.059
Aroclor-1221	ND		0.148	0.059
Aroclor-1232	ND		0.148	0.059
Aroclor-1242	ND		0.148	0.059
Aroclor-1248	ND		0.148	0.059
Aroclor-1254	ND		0.148	0.059
Aroclor-1260	ND		0.148	0.059
Aroclor-1262	ND		0.148	0.059
Aroclor-1268	ND		0.148	0.059
PCBs	ND		0.148	0.059

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-011
Client ID: AA-47(3)
Date Received: 10/25/2013
Date Extracted: 10/29/2013
Date Analyzed: 10/29/2013
Data file: R5046.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.019
Aroclor-1221	ND		0.049	0.019
Aroclor-1232	ND		0.049	0.019
Aroclor-1242	ND		0.049	0.019
Aroclor-1248	ND		0.049	0.019
Aroclor-1254	ND		0.049	0.019
Aroclor-1260	ND		0.049	0.019
Aroclor-1262	ND		0.049	0.019
Aroclor-1268	ND		0.049	0.019
PCBs	ND		0.049	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-012
Client ID: U-45R(2.
Date Received: 10/25/2013
Date Extracted: 10/29/2013
Date Analyzed: 10/29/2013
Data file: R5047.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.87g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 30.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	0.065		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	0.031	J	0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	0.097	J	0.049	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-013
Client ID: U-45R(3)
Date Received: 10/25/2013
Date Extracted: 10/29/2013
Date Analyzed: 10/29/2013
Data file: R5048.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	0.023	J	0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	0.023	J	0.048	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-014
Client ID: U-45N(1)
Date Received: 10/25/2013
Date Extracted: 10/29/2013
Date Analyzed: 10/29/2013
Data file: R5049.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.61g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	ND		0.048	0.019

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-015
Client ID: T-45(4.0)
Date Received: 10/25/2013
Date Extracted: 10/29/2013
Date Analyzed: 10/29/2013
Data file: R5050.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.96g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 31.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	0.100		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	0.100		0.049	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10679-016

Client ID: FB-26

Date Received: 10/25/2013

Date Extracted: 11/01/2013

Date Analyzed: 11/01/2013

Data file: Y2699.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous-mg/L (ppm)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/22/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA131021-17	AQUEOUS	88		79		95		90	
PCB	LCSA131021-17	AQUEOUS	85		85		90		88	
OUTFALL	E13-10256-001	WASTE WATER	71		69		75		100	
FB-21	E13-10192-011	AQUEOUS	88		75		94		88	
FB-22	E13-10227-014	AQUEOUS	91		75		97		103	
PCB	E13-10256-001MS	WASTE WATER	78		85		84		103	
PCB	E13-10256-001MS	WASTE WATER	74		74		80		93	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous

30-150

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 11/01/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA131101-10	AQUEOUS	88		52		80		62	
PCB	LCSA131101-10	AQUEOUS	76		46		69		54	
FB-10281	E13-10721-027	AQUEOUS	81		49		75		58	
FB-26	E13-10679-016	AQUEOUS	80		47		73		63	
FB-27	E13-10707-020	AQUEOUS	82		50		75		59	
FB-28	E13-10748-014	AQUEOUS	77		48		71		56	
FB	E13-10877-007	AQUEOUS	74		46		68		54	
FB-29	E13-10796-024	AQUEOUS	80		50		73		66	
FB-30	E13-10867-016	AQUEOUS	76		48		70		56	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil Aqueous/Leachate

30-150 30-150

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/29/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131028-12	SOIL	92		59		87		74	
PCB	LCSS131028-12	SOIL	95		69		88		84	
GPEC_WC_	E13-10601-001	SOIL	89		63		81		75	
PCB	10601-001MS	SOIL	89		64		81		77	
PCB	10601-001MSD	SOIL	88		65		80		80	
HL-1/1-1	E13-10296-007	SOIL	89		61		78		81	
WC-2	E13-10536-002	SOIL	89		62		81		75	
CC-47(0-	E13-10679-001	SOIL	110		89		102		99	
CC-47(1.	E13-10679-002	SOIL	118		132		97		128	
DD-47(0-	E13-10679-003	SOIL	119		95		108		114	
DD-47(1.	E13-10679-004	SOIL	111		98		102		133	
BB-47(0-	E13-10679-005	SOIL	115		90		104		108	
BB-47(1.	E13-10679-006	SOIL	119		106		117		118	
BB-47(2.	E13-10679-007	SOIL	97		64		88		78	
AA-47(0-	E13-10679-008	SOIL	114		86		104		110	
AA-47(1.	E13-10679-009	SOIL	118		95		114		100	
DD-47(1.	E13-10679-004DL	SOIL	137		125		126		137	
CC-47(1.	E13-10679-002DL	SOIL	147		81		121		123	
NMR-WMSG	E13-10666-001	SOLID	83		81		84		96	
NMR-FLSG	E13-10666-002	SOLID	147		63		54		79	
NMR-NWSG	E13-10666-003	SOLID	83		65		93		76	
NMR-PTSG	E13-10666-004	SOLID	78		66		78		75	
NMR-KRSG	E13-10666-005	SOLID	98		79		93		96	
NMR-HHSG	E13-10666-006	SOLID	80		75		89		85	
NMR-HMSG	E13-10666-007	SOLID	68		63		64		75	

Surrogate QC Limits

Soil Aqueous/Leachate

TCMX = Tetrachloro-m-xylene

30-150 30-150

DCB = Decachlorobiphenyl

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/29/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131029-04	SOIL	100		99		90		90	
PCB	LCSS131029-04	SOIL	99		96		89		88	
S-11	E13-10681-005	SOIL	95		87		86		81	
PCB	10681-005MS	SOIL	100		88		88		78	
PCB	10681-005MSD	SOIL	101		88		87		77	
320-A/2.	E13-10503-001	SOIL	82		93		71		71	
320-F/2.	E13-10503-006	SOIL	97		78		83		73	
320-I/2.	E13-10503-009	SOIL	100		76		85		71	
AA-47(2.	E13-10679-010	SOIL	128		111		113		107	
AA-47(3.	E13-10679-011	SOIL	106		105		92		85	
U-45R(2.	E13-10679-012	SOIL	109		92		95		80	
U-45R(3.	E13-10679-013	SOIL	105		104		90		82	
U-45N(1)	E13-10679-014	SOIL	104		91		90		78	
T-45(4.0	E13-10679-015	SOIL	104		102		90		77	
SB-1A	E13-10708-001	SOIL	83		87		64		67	
SB-1B	E13-10708-002	SOIL	80		72		62		69	
SB-2A	E13-10708-003	SOIL	80		118		59		94	
SB-2B	E13-10708-004	SOIL	85		70		69		62	
SB-3A	E13-10708-005	SOIL	92		75		71		65	
SB-3B	E13-10708-006	SOIL	83		72		62		75	
S-5	E13-10681-001	SOIL	91		91		76		72	
S-6	E13-10681-002	SOIL	95		83		79		69	
S-7	E13-10681-003	SOIL	92		77		77		69	
S-10	E13-10681-004	SOIL	95		72		80		71	

Surrogate QC Limits

Soil

Aqueous/Leachate

TCMX = Tetrachloro-m-xylene

30-150

30-150

DCB = Decachlorobiphenyl

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSA131101-10

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	384.3	77	40 - 140
Aroclor-1260	500.0	0.0	383.3	77	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSS131028-12

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	466.7	93	40 - 140
Aroclor-1260	500.0	0.0	525.6	105	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSS131029-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	427.7	86	40 - 140
Aroclor-1260	500.0	0.0	473.4	95	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E13-10256-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	412.4	82	40 - 140
Aroclor-1260	500.0	0.0	447.4	89	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD #	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	383.8	77	6	50	40 - 140	
Aroclor-1260	0.0	426.8	85	5	50	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E13-10601-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	395.7	79	40 - 140
Aroclor-1260	500.0	0.0	451.5	90	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	390.2	78	1	50	40 - 140
Aroclor-1260	0.0	445.1	89	1	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E13-10681-005

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	423.7	85	40 - 140
Aroclor-1260	500.0	0.0	466.5	93	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD #	% REC	% RPD	QC LIMITS RPD	REC.
Aroclor-1016	0.0	414.9	83	2	50	40 - 140	
Aroclor-1260	0.0	453.5	91	2	50	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: Y2409.D

Instrument ID: GC-Y

Date Extracted: 10/21/2013

Matrix: AQUEOUS

Date Analyzed: 10/22/2013

Time Analyzed: 21:25

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA131021-17	10/22/2013	21:43
OUTFALL	E13-10256-001	10/22/2013	22:00
FB-21	E13-10192-011	10/22/2013	22:17
FB-22	E13-10227-014	10/22/2013	22:35
PCB	E13-10256-001MS	10/22/2013	22:52
PCB	E13-10256-001MSD	10/22/2013	23:09

PCB METHOD BLANK SUMMARY

Lab File ID: Y2696.D

Instrument ID: GC-Y

Date Extracted: 11/01/2013

Matrix: AQUEOUS

Date Analyzed: 11/01/2013

Time Analyzed: 17:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA131101-10	11/01/2013	17:54
FB-10281	E13-10721-027	11/01/2013	18:11
FB-26	E13-10679-016	11/01/2013	18:28
FB-27	E13-10707-020	11/01/2013	18:46
FB-28	E13-10748-014	11/01/2013	19:03
FB	E13-10877-007	11/01/2013	19:21
FB-29	E13-10796-024	11/01/2013	19:38
FB-30	E13-10867-016	11/01/2013	19:55

PCB METHOD BLANK SUMMARY

Lab File ID: Y2546.D Instrument ID: GC-Y

Date Extracted: 10/28/2013 Matrix: SOIL

Date Analyzed: 10/29/2013 Time Analyzed: 10:42

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131028-12	10/29/2013	11:00
GPEC_WC_	E13-10601-001	10/29/2013	11:34
PCB	10601-001MS	10/29/2013	11:52
PCB	10601-001MSD	10/29/2013	12:09
HL-1/1-1	E13-10296-007	10/29/2013	12:44
WC-2	E13-10536-002	10/29/2013	13:01
CC-47(0-	E13-10679-001	10/29/2013	13:18
CC-47(1.	E13-10679-002	10/29/2013	13:36
DD-47(0-	E13-10679-003	10/29/2013	13:53
DD-47(1.	E13-10679-004	10/29/2013	14:10
BB-47(0-	E13-10679-005	10/29/2013	14:28
BB-47(1.	E13-10679-006	10/29/2013	14:45
BB-47(2.	E13-10679-007	10/29/2013	15:03
AA-47(0-	E13-10679-008	10/29/2013	15:20
AA-47(1.	E13-10679-009	10/29/2013	15:37
DD-47(1.	E13-10679-004DL	10/29/2013	15:55
CC-47(1.	E13-10679-002DL	10/29/2013	16:12
NMR-WMSG	E13-10666-001	10/29/2013	16:47
NMR-FLSG	E13-10666-002	10/29/2013	17:04
NMR-NWSG	E13-10666-003	10/29/2013	17:22
NMR-PTSG	E13-10666-004	10/29/2013	17:39
NMR-KRSG	E13-10666-005	10/29/2013	17:56
NMR-HHSG	E13-10666-006	10/29/2013	18:14
NMR-HMSG	E13-10666-007	10/29/2013	18:31

PCB METHOD BLANK SUMMARY

Lab File ID: R5036.D Instrument ID: GC-R

Date Extracted: 10/29/2013 Matrix: SOIL

Date Analyzed: 10/29/2013 Time Analyzed: 14:37

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131029-04	10/29/2013	14:55
S-11	E13-10681-005	10/29/2013	15:21
PCB	10681-005MS	10/29/2013	15:39
PCB	10681-005MSD	10/29/2013	15:56
320-A/2.	E13-10503-001	10/29/2013	16:14
320-F/2.	E13-10503-006	10/29/2013	16:31
320-I/2.	E13-10503-009	10/29/2013	16:49
AA-47(2.	E13-10679-010	10/29/2013	18:16
AA-47(3.	E13-10679-011	10/29/2013	18:33
U-45R(2.	E13-10679-012	10/29/2013	18:51
U-45R(3.	E13-10679-013	10/29/2013	19:08
U-45N(1)	E13-10679-014	10/29/2013	19:26
T-45(4.0	E13-10679-015	10/29/2013	19:43
SB-1A	E13-10708-001	10/29/2013	20:01
SB-1B	E13-10708-002	10/29/2013	20:18
SB-2A	E13-10708-003	10/29/2013	20:36
SB-2B	E13-10708-004	10/29/2013	20:53
SB-3A	E13-10708-005	10/29/2013	21:11
SB-3B	E13-10708-006	10/29/2013	21:28
S-5	E13-10681-001	10/29/2013	21:45
S-6	E13-10681-002	10/29/2013	22:03
S-7	E13-10681-003	10/29/2013	22:20
S-10	E13-10681-004	10/29/2013	22:38

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.23	3.23	3.23	3.23	3.23	3.23	3.16	3.30
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.60	4.60	4.60	4.60	4.53	4.67
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.23				3.16	3.30
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.45				4.37	4.53
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.82				6.74	6.90
Aroclor-1254 {3}			6.99				6.90	7.08
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.26	8.26	8.26	8.26	8.26	7.36	9.16
Aroclor-1260 {2}	8.94	8.94	8.94	8.94	8.93	8.94	8.04	9.84
Aroclor-1260 {3}	9.41	9.41	9.41	9.41	9.41	9.41	8.51	10.31
Aroclor-1260 {4}	9.89	9.89	9.89	9.89	9.89	9.89	8.99	10.79
Aroclor-1260 {5}	10.95	10.95	10.95	10.95	10.95	10.95	10.05	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:

09/25/2013

Instrument ID:

GC-Y

GC Column (1st):

DB-5

Data File:

Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	464323	441679	382895	349177	333589	394332	14.46
Aroclor-1016 {2}	631313	643566	521731	477189	458454	546451	15.79
Aroclor-1016 {3}	806143	774449	662509	606621	589177	687780	14.26
Aroclor-1016 {4}	363540	363516	332688	305606	289774	331025	10.09
Aroclor-1016 {5}	628860	642038	551930	503774	487757	562872	12.52
Aroclor-1221			199877				
Aroclor-1221 {2}			313557				
Aroclor-1221 {3}			198732				
Aroclor-1221 {4}			681302				
Aroclor-1221 {5}			164392				
Aroclor-1232			508390				
Aroclor-1232 {2}			304333				
Aroclor-1232 {3}			272852				
Aroclor-1232 {4}			292921				
Aroclor-1232 {5}			379208				
Aroclor-1242			445331				
Aroclor-1242 {2}			289404				
Aroclor-1242 {3}			394283				
Aroclor-1242 {4}			595594				
Aroclor-1242 {5}			525307				
Aroclor-1248			1072563				
Aroclor-1248 {2}			618287				
Aroclor-1248 {3}			795414				
Aroclor-1248 {4}			1263310				
Aroclor-1248 {5}			998553				
Aroclor-1254			1250957				
Aroclor-1254 {2}			821044				
Aroclor-1254 {3}			1480779				
Aroclor-1254 {4}			1606933				
Aroclor-1254 {5}			1429697				
Aroclor-1260	1799563	1887490	1561779	1407648	1377152	1606726	14.27
Aroclor-1260 {2}	884011	896189	732678	641350	641368	759119	16.51
Aroclor-1260 {3}	2064481	2110924	1815054	1604501	1536563	1826305	14.25
Aroclor-1260 {4}	982911	1147466	964107	838195	828743	952284	13.64
Aroclor-1260 {5}	415694	477377	462681	369882	339327	412992	14.28
Average %RSD						14.01	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.36	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.39
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.77				3.70	3.84
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.09				7.01	7.17
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.29				8.20	8.38
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.85	7.85	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.11	8.11	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.20	10.20	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	840261	856585	714298	646843	597927	731183	15.71
Aroclor-1016 {2}	1833596	1816776	1547682	1378645	1353928	1586125	14.54
Aroclor-1016 {3}	4371716	4236799	3569561	3258945	3150851	3717574	15.04
Aroclor-1016 {4}	1871668	1849704	1597815	1454198	1410182	1636714	13.20
Aroclor-1016 {5}	1442767	1421476	1238979	1138128	1115123	1271295	12.13
Aroclor-1221			340703				
Aroclor-1221 {2}			617655				
Aroclor-1221 {3}			417322				
Aroclor-1221 {4}			1522237				
Aroclor-1221 {5}			291032				
Aroclor-1232			973678				
Aroclor-1232 {2}			425526				
Aroclor-1232 {3}			940006				
Aroclor-1232 {4}			735287				
Aroclor-1232 {5}			1002709				
Aroclor-1242			611221				
Aroclor-1242 {2}			1032956				
Aroclor-1242 {3}			1271440				
Aroclor-1242 {4}			1106793				
Aroclor-1242 {5}			2184386				
Aroclor-1248			2396754				
Aroclor-1248 {2}			3539345				
Aroclor-1248 {3}			2550731				
Aroclor-1248 {4}			2230079				
Aroclor-1248 {5}			1294923				
Aroclor-1254			2883717				
Aroclor-1254 {2}			2180898				
Aroclor-1254 {3}			1865030				
Aroclor-1254 {4}			1138169				
Aroclor-1254 {5}			2980480				
Aroclor-1260	1380266	1597791	1348190	1285120	1250722	1372418	9.90
Aroclor-1260 {2}	2170235	2320146	1904498	1826388	1764884	1997230	11.90
Aroclor-1260 {3}	1830758	1876902	1742155	1590179	1579596	1723918	7.88
Aroclor-1260 {4}	3775292	4234437	3909868	3531301	3570473	3804274	7.51
Aroclor-1260 {5}	2569926	3071676	2828424	2567649	2559367	2719408	8.36

Average %RSD

11.62

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.41				9.29	9.53
Aroclor-1262 {3}			10.04				9.92	10.16
Aroclor-1262 {4}			10.13				10.01	10.25
Aroclor-1262 {5}			10.95				10.83	11.07
Aroclor-1268			10.04				9.92	10.16
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.04				11.92	12.16

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.70				9.58	9.82
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.04				10.92	11.16
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1292916				
Aroclor-1262 {2}			2408782				
Aroclor-1262 {3}			950819				
Aroclor-1262 {4}			1039798				
Aroclor-1262 {5}			871465				
Aroclor-1268			2329028				
Aroclor-1268 {2}			2439244				
Aroclor-1268 {3}			1975765				
Aroclor-1268 {4}			5596247				
Aroclor-1268 {5}			3165388				

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			2532606				
Aroclor-1262 {2}			5716193				
Aroclor-1262 {3}			2058727				
Aroclor-1262 {4}			4020600				
Aroclor-1262 {5}			980018				
Aroclor-1268			5861773				
Aroclor-1268 {2}			6124826				
Aroclor-1268 {3}			5049165				
Aroclor-1268 {4}			14509441				
Aroclor-1268 {5}			8286384				

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/22/2013

Instrument ID: GC-Y

Data File: Y2408.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	326823	17.12
Aroclor-1016 {2}	4.05	3.98	4.12	546451	447291	18.15
Aroclor-1016 {3}	4.60	4.53	4.67	687780	560616	18.49
Aroclor-1016 {4}	5.10	5.03	5.17	331025	292250	11.71
Aroclor-1016 {5}	5.50	5.42	5.56	562872	463278	17.69
Aroclor-1260	8.27	7.36	9.16	1606726	1321724	17.74
Aroclor-1260 {2}	8.94	8.04	9.84	759119	616407	18.80
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1544968	15.40
Aroclor-1260 {4}	9.89	8.99	10.79	952284	838008	12.00
Aroclor-1260 {5}	10.95	10.05	11.85	412992	431179	4.40

Data File: Y2408.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	668693	8.55
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1509293	4.84
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3393540	8.72
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1462308	10.66
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1157754	8.93
Aroclor-1260	7.85	6.95	8.75	1372418	1242036	9.50
Aroclor-1260 {2}	8.11	7.21	9.01	1997230	1806791	9.54
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1703542	1.18
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	3864696	1.59
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	2757074	1.39

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/23/2013

Instrument ID: GC-Y

Data File: Y2416.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	330763	16.12
Aroclor-1016 {2}	4.05	3.98	4.12	546451	453191	17.07
Aroclor-1016 {3}	4.60	4.53	4.67	687780	568120	17.40
Aroclor-1016 {4}	5.10	5.03	5.17	331025	296002	10.58
Aroclor-1016 {5}	5.50	5.42	5.56	562872	474340	15.73
Aroclor-1260	8.27	7.36	9.16	1606726	1373088	14.54
Aroclor-1260 {2}	8.94	8.04	9.84	759119	642532	15.36
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1615958	11.52
Aroclor-1260 {4}	9.89	8.99	10.79	952284	860268	9.66
Aroclor-1260 {5}	10.95	10.05	11.85	412992	396898	3.90

Data File: Y2416.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	685886	6.20
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1332722	15.98
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3491473	6.08
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1508222	7.85
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1193600	6.11
Aroclor-1260	7.85	6.95	8.75	1372418	1279692	6.76
Aroclor-1260 {2}	8.10	7.21	9.01	1997230	1882484	5.75
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1810727	5.04
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	4151895	9.14
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	3028988	11.38

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.22	3.22	3.22	3.22	3.22	3.22	3.15	3.29
Aroclor-1016 {2}	4.04	4.04	4.04	4.04	4.04	4.04	3.97	4.11
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.48	5.48	5.49	5.49	5.48	5.48	5.41	5.55
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.22				3.15	3.29
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.26				6.18	6.34
Aroclor-1254			6.38				6.30	6.46
Aroclor-1254 {2}			6.81				6.73	6.89
Aroclor-1254 {3}			6.98				6.89	7.07
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.25	8.25	8.25	8.25	8.25	7.35	9.15
Aroclor-1260 {2}	8.93	8.93	8.93	8.93	8.93	8.93	8.03	9.83
Aroclor-1260 {3}	9.40	9.40	9.40	9.40	9.40	9.40	8.50	10.30
Aroclor-1260 {4}	9.88	9.88	9.88	9.88	9.88	9.88	8.98	10.78
Aroclor-1260 {5}	10.94	10.94	10.94	10.94	10.94	10.94	10.04	11.84

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	447576	450365	388612	345786	323686	391205	14.74
Aroclor-1016 {2}	627708	605785	540310	484438	452371	542122	13.92
Aroclor-1016 {3}	874719	765872	684369	615358	580856	704235	16.86
Aroclor-1016 {4}	397732	395187	335989	294619	274788	339663	16.59
Aroclor-1016 {5}	650000	629542	566447	507766	477446	566240	13.19
Aroclor-1221			192071				
Aroclor-1221 {2}			294477				
Aroclor-1221 {3}			194494				
Aroclor-1221 {4}			645697				
Aroclor-1221 {5}			155613				
Aroclor-1232			485451				
Aroclor-1232 {2}			295113				
Aroclor-1232 {3}			259888				
Aroclor-1232 {4}			289070				
Aroclor-1232 {5}			363887				
Aroclor-1242			436017				
Aroclor-1242 {2}			286372				
Aroclor-1242 {3}			394744				
Aroclor-1242 {4}			571815				
Aroclor-1242 {5}			506345				
Aroclor-1248			1024891				
Aroclor-1248 {2}			610408				
Aroclor-1248 {3}			783514				
Aroclor-1248 {4}			1193332				
Aroclor-1248 {5}			943616				
Aroclor-1254			1201203				
Aroclor-1254 {2}			793076				
Aroclor-1254 {3}			1437056				
Aroclor-1254 {4}			1570039				
Aroclor-1254 {5}			1434237				
Aroclor-1260	2164689	1822060	1649814	1491973	1376386	1700984	18.15
Aroclor-1260 {2}	1017786	828195	794125	753368	686484	815992	15.26
Aroclor-1260 {3}	2276656	1959820	1965580	1727080	1567462	1899320	14.18
Aroclor-1260 {4}	1326111	1138653	1050773	938551	874861	1065790	16.65
Aroclor-1260 {5}	427655	497378	493376	416237	392419	445413	10.64
Average %RSD						15.02	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.77	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.35	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.31	5.31	5.31	5.32	5.25	5.39
Aroclor-1016 {5}	5.50	5.50	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.76				3.69	3.83
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.08				7.00	7.16
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.28				8.19	8.37
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.86	7.86	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.10	8.10	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.21	10.21	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y

GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	1077370	953453	804609	701121	709556	849222	19.20
Aroclor-1016 {2}	1918671	1960329	1608123	1381664	1325023	1638762	17.98
Aroclor-1016 {3}	4324478	4205440	4062198	3620367	3349029	3912303	10.54
Aroclor-1016 {4}	1861148	1868934	1815999	1632266	1512673	1738204	9.11
Aroclor-1016 {5}	1430926	1439767	1411203	1275811	1190022	1349546	8.24
Aroclor-1221			361519				
Aroclor-1221 {2}			570497				
Aroclor-1221 {3}			440309				
Aroclor-1221 {4}			1560405				
Aroclor-1221 {5}			298298				
Aroclor-1232			997030				
Aroclor-1232 {2}			442734				
Aroclor-1232 {3}			973980				
Aroclor-1232 {4}			762359				
Aroclor-1232 {5}			1048394				
Aroclor-1242			664309				
Aroclor-1242 {2}			1138194				
Aroclor-1242 {3}			1485300				
Aroclor-1242 {4}			1259374				
Aroclor-1242 {5}			2420970				
Aroclor-1248			2492251				
Aroclor-1248 {2}			3757343				
Aroclor-1248 {3}			2697779				
Aroclor-1248 {4}			2357309				
Aroclor-1248 {5}			1352106				
Aroclor-1254			3041071				
Aroclor-1254 {2}			2368537				
Aroclor-1254 {3}			2266311				
Aroclor-1254 {4}			1381114				
Aroclor-1254 {5}			3490970				
Aroclor-1260	1756745	1609704	1667033	1492660	1384278	1582084	9.25
Aroclor-1260 {2}	2514617	2346239	2396908	2136545	1972010	2273264	9.54
Aroclor-1260 {3}	2272642	2216880	2173205	1982348	1847768	2098568	8.47
Aroclor-1260 {4}	5104232	4840602	4813333	4433949	4194747	4677373	7.70
Aroclor-1260 {5}	3460295	3482324	3518699	3226187	3070976	3351696	5.80
Average %RSD							10.58

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.40				9.28	9.52
Aroclor-1262 {3}			10.03				9.91	10.15
Aroclor-1262 {4}			10.12				10.00	10.24
Aroclor-1262 {5}			10.94				10.82	11.06
Aroclor-1268			10.03				9.91	10.15
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.03				11.91	12.15

GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.69				9.57	9.81
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.03				10.91	11.15
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	CALIBRATION FACTORS						MEAN	%RSD
	10	50	500	1000	2000			
Aroclor-1262			1354994					
Aroclor-1262 {2}			2620645					
Aroclor-1262 {3}			1033050					
Aroclor-1262 {4}			1158982					
Aroclor-1262 {5}			1018815					
Aroclor-1268			2640310					
Aroclor-1268 {2}			2756865					
Aroclor-1268 {3}			2304087					
Aroclor-1268 {4}			7029273					
Aroclor-1268 {5}			4052302					

GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	CALIBRATION FACTORS						MEAN	%RSD
	10	50	500	1000	2000			
Aroclor-1262			2852689					
Aroclor-1262 {2}			6641766					
Aroclor-1262 {3}			2469488					
Aroclor-1262 {4}			4736320					
Aroclor-1262 {5}			986321					
Aroclor-1268			7175428					
Aroclor-1268 {2}			7449976					
Aroclor-1268 {3}			6194617					
Aroclor-1268 {4}			17839550					
Aroclor-1268 {5}			10591825					

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2695.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	391205	409838	4.76
Aroclor-1016 {2}	4.05	3.97	4.11	542122	559648	3.23
Aroclor-1016 {3}	4.59	4.52	4.66	704235	723456	2.73
Aroclor-1016 {4}	5.10	5.02	5.16	339663	359082	5.72
Aroclor-1016 {5}	5.49	5.41	5.55	566240	594561	5.00
Aroclor-1260	8.26	7.35	9.15	1700984	1659565	2.44
Aroclor-1260 {2}	8.93	8.03	9.83	815992	758389	7.06
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1750666	7.83
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	917673	13.90
Aroclor-1260 {5}	10.94	10.04	11.84	445413	357674	19.70

Data File: Y2695.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.77	3.69	3.83	849222	989013	16.46
Aroclor-1016 {2}	4.37	4.29	4.43	1638762	1929158	17.72
Aroclor-1016 {3}	5.12	5.04	5.18	3912303	4320862	10.44
Aroclor-1016 {4}	5.33	5.25	5.39	1738204	1884019	8.39
Aroclor-1016 {5}	5.50	5.42	5.56	1349546	1479023	9.59
Aroclor-1260	7.86	6.95	8.75	1582084	1655456	4.64
Aroclor-1260 {2}	8.11	7.21	9.01	2273264	2311598	1.69
Aroclor-1260 {3}	9.70	8.80	10.60	2098568	1950590	7.05
Aroclor-1260 {4}	10.21	9.30	11.10	4677373	4195052	10.31
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	2850417	14.96

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013 Instrument ID: GC-Y

Data File: Y2705.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.23	3.15	3.29	391205	334723	14.44
Aroclor-1016 {2}	4.05	3.97	4.11	542122	470445	13.22
Aroclor-1016 {3}	4.60	4.52	4.66	704235	600718	14.70
Aroclor-1016 {4}	5.10	5.02	5.16	339663	307390	9.50
Aroclor-1016 {5}	5.49	5.41	5.55	566240	506834	10.49
Aroclor-1260	8.26	7.35	9.15	1700984	1521579	10.55
Aroclor-1260 {2}	8.93	8.03	9.83	815992	706098	13.47
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1772234	6.69
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	923913	13.31
Aroclor-1260 {5}	10.94	10.04	11.84	445413	395700	11.16

Data File: Y2705.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.76	3.69	3.83	849222	690452	18.70
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1571125	4.13
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3560070	9.00
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1541107	11.34
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1217048	9.82
Aroclor-1260	7.85	6.95	8.75	1582084	1394875	11.83
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2038116	10.34
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	1902686	9.33
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4303331	8.00
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	3020158	9.89

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.22	3.22	3.22	3.22	3.22	3.22	3.15	3.29
Aroclor-1016 {2}	4.04	4.04	4.04	4.04	4.04	4.04	3.97	4.11
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.48	5.48	5.49	5.49	5.49	5.48	5.41	5.55
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.22				3.15	3.29
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.26				6.18	6.34
Aroclor-1254			6.38				6.30	6.46
Aroclor-1254 {2}			6.81				6.73	6.89
Aroclor-1254 {3}			6.98				6.89	7.07
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.25	8.25	8.25	8.25	8.25	7.35	9.15
Aroclor-1260 {2}	8.93	8.93	8.93	8.93	8.93	8.93	8.03	9.83
Aroclor-1260 {3}	9.40	9.40	9.40	9.40	9.40	9.40	8.50	10.30
Aroclor-1260 {4}	9.88	9.88	9.88	9.88	9.88	9.88	8.98	10.78
Aroclor-1260 {5}	10.94	10.94	10.94	10.94	10.94	10.94	10.04	11.84

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File:

Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	447576	450365	388612	345786	323686	391205	14.74
Aroclor-1016 {2}	627708	605785	540310	484438	452371	542122	13.92
Aroclor-1016 {3}	874719	765872	684369	615358	580856	704235	16.86
Aroclor-1016 {4}	397732	395187	335989	294619	274788	339663	16.59
Aroclor-1016 {5}	650000	629542	566447	507766	477446	566240	13.19
Aroclor-1221			192071				
Aroclor-1221 {2}			294477				
Aroclor-1221 {3}			194494				
Aroclor-1221 {4}			645697				
Aroclor-1221 {5}			155613				
Aroclor-1232			485451				
Aroclor-1232 {2}			295113				
Aroclor-1232 {3}			259888				
Aroclor-1232 {4}			289070				
Aroclor-1232 {5}			363887				
Aroclor-1242			436017				
Aroclor-1242 {2}			286372				
Aroclor-1242 {3}			394744				
Aroclor-1242 {4}			571815				
Aroclor-1242 {5}			506345				
Aroclor-1248			1024891				
Aroclor-1248 {2}			610408				
Aroclor-1248 {3}			783514				
Aroclor-1248 {4}			1193332				
Aroclor-1248 {5}			943616				
Aroclor-1254			1201203				
Aroclor-1254 {2}			793076				
Aroclor-1254 {3}			1437056				
Aroclor-1254 {4}			1570039				
Aroclor-1254 {5}			1434237				
Aroclor-1260	2164689	1822060	1649814	1491973	1376386	1700984	18.15
Aroclor-1260 {2}	1017786	828195	794125	753368	686484	815992	15.26
Aroclor-1260 {3}	2276656	1959820	1965580	1727080	1567462	1899320	14.18
Aroclor-1260 {4}	1326111	1138653	1050773	938551	874861	1065790	16.65
Aroclor-1260 {5}	427655	497378	493376	416237	392419	445413	10.64
Average %RSD						15.02	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.77	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.35	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.31	5.31	5.31	5.32	5.25	5.39
Aroclor-1016 {5}	5.50	5.50	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.76				3.69	3.83
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.08				7.00	7.16
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.28				8.19	8.37
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.86	7.86	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.10	8.10	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.21	10.21	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File:

Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	1077370	953453	804609	701121	709556	849222	19.20
Aroclor-1016 {2}	1918671	1960329	1608123	1381664	1325023	1638762	17.98
Aroclor-1016 {3}	4324478	4205440	4062198	3620367	3349029	3912303	10.54
Aroclor-1016 {4}	1861148	1868934	1815999	1632266	1512673	1738204	9.11
Aroclor-1016 {5}	1430926	1439767	1411203	1275811	1190022	1349546	8.24
Aroclor-1221			361519				
Aroclor-1221 {2}			570497				
Aroclor-1221 {3}			440309				
Aroclor-1221 {4}			1560405				
Aroclor-1221 {5}			298298				
Aroclor-1232			997030				
Aroclor-1232 {2}			442734				
Aroclor-1232 {3}			973980				
Aroclor-1232 {4}			762359				
Aroclor-1232 {5}			1048394				
Aroclor-1242			664309				
Aroclor-1242 {2}			1138194				
Aroclor-1242 {3}			1485300				
Aroclor-1242 {4}			1259374				
Aroclor-1242 {5}			2420970				
Aroclor-1248			2492251				
Aroclor-1248 {2}			3757343				
Aroclor-1248 {3}			2697779				
Aroclor-1248 {4}			2357309				
Aroclor-1248 {5}			1352106				
Aroclor-1254			3041071				
Aroclor-1254 {2}			2368537				
Aroclor-1254 {3}			2266311				
Aroclor-1254 {4}			1381114				
Aroclor-1254 {5}			3490970				
Aroclor-1260	1756745	1609704	1667033	1492660	1384278	1582084	9.25
Aroclor-1260 {2}	2514617	2346239	2396908	2136545	1972010	2273264	9.54
Aroclor-1260 {3}	2272642	2216880	2173205	1982348	1847768	2098568	8.47
Aroclor-1260 {4}	5104232	4840602	4813333	4433949	4194747	4677373	7.70
Aroclor-1260 {5}	3460295	3482324	3518699	3226187	3070976	3351696	5.80
Average %RSD						10.58	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.40				9.28	9.52
Aroclor-1262 {3}			10.03				9.91	10.15
Aroclor-1262 {4}			10.12				10.00	10.24
Aroclor-1262 {5}			10.94				10.82	11.06
Aroclor-1268			10.03				9.91	10.15
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.03				11.91	12.15

GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.69				9.57	9.81
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.03				10.91	11.15
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1354994				
Aroclor-1262 {2}			2620645				
Aroclor-1262 {3}			1033050				
Aroclor-1262 {4}			1158982				
Aroclor-1262 {5}			1018815				
Aroclor-1268			2640310				
Aroclor-1268 {2}			2756865				
Aroclor-1268 {3}			2304087				
Aroclor-1268 {4}			7029273				
Aroclor-1268 {5}			4052302				

GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			2852689				
Aroclor-1262 {2}			6641766				
Aroclor-1262 {3}			2469488				
Aroclor-1262 {4}			4736320				
Aroclor-1262 {5}			986321				
Aroclor-1268			7175428				
Aroclor-1268 {2}			7449976				
Aroclor-1268 {3}			6194617				
Aroclor-1268 {4}			17839550				
Aroclor-1268 {5}			10591825				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013

Instrument ID: GC-Y

Data File: Y2545.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	391205	380736	2.68
Aroclor-1016 {2}	4.04	3.97	4.11	542122	528230	2.56
Aroclor-1016 {3}	4.59	4.52	4.66	704235	675271	4.11
Aroclor-1016 {4}	5.09	5.02	5.16	339663	340401	0.22
Aroclor-1016 {5}	5.49	5.41	5.55	566240	567351	0.20
Aroclor-1260	8.26	7.35	9.15	1700984	1709232	0.48
Aroclor-1260 {2}	8.93	8.03	9.83	815992	811192	0.59
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1926110	1.41
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	1042930	2.14
Aroclor-1260 {5}	10.94	10.04	11.84	445413	427783	3.96

Data File: Y2545.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.77	3.69	3.83	849222	956947	12.69
Aroclor-1016 {2}	4.37	4.29	4.43	1638762	1885257	15.04
Aroclor-1016 {3}	5.12	5.04	5.18	3912303	4246129	8.53
Aroclor-1016 {4}	5.33	5.25	5.39	1738204	1869096	7.53
Aroclor-1016 {5}	5.50	5.42	5.56	1349546	1464253	8.50
Aroclor-1260	7.86	6.95	8.75	1582084	1772904	12.06
Aroclor-1260 {2}	8.11	7.21	9.01	2273264	2534371	11.49
Aroclor-1260 {3}	9.70	8.80	10.60	2098568	2270867	8.21
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4935008	5.51
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	3424249	2.16

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013

Instrument ID: GC-Y

Data File: Y2552.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	349506	10.66
Aroclor-1016 {2}	4.05	3.97	4.11	542122	483932	10.73
Aroclor-1016 {3}	4.60	4.52	4.66	704235	612949	12.96
Aroclor-1016 {4}	5.10	5.02	5.16	339663	308960	9.04
Aroclor-1016 {5}	5.49	5.41	5.55	566240	511249	9.71
Aroclor-1260	8.26	7.35	9.15	1700984	1523209	10.45
Aroclor-1260 {2}	8.93	8.03	9.83	815992	717440	12.08
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1796673	5.40
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	963021	9.64
Aroclor-1260 {5}	10.94	10.04	11.84	445413	410015	7.95

Data File: Y2552.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	709383	16.47
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1390434	15.15
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3586786	8.32
Aroclor-1016 {4}	5.31	5.25	5.39	1738204	1578643	9.18
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1230147	8.85
Aroclor-1260	7.85	6.95	8.75	1582084	1464138	7.46
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2090440	8.04
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	1911616	8.91
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4378547	6.39
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3180223	5.12

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013 Instrument ID: GC-Y

Data File: Y2566.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	344439	11.95
Aroclor-1016 {2}	4.05	3.97	4.11	542122	471769	12.98
Aroclor-1016 {3}	4.60	4.52	4.66	704235	602088	14.50
Aroclor-1016 {4}	5.10	5.02	5.16	339663	297191	12.50
Aroclor-1016 {5}	5.49	5.41	5.55	566240	496574	12.30
Aroclor-1260	8.26	7.35	9.15	1700984	1473386	13.38
Aroclor-1260 {2}	8.93	8.03	9.83	815992	696867	14.60
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1709397	10.00
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	930836	12.66
Aroclor-1260 {5}	10.94	10.04	11.84	445413	379757	14.74

Data File: Y2566.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	695233	18.13
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1581701	3.48
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3548713	9.29
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1544798	11.13
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1210631	10.29
Aroclor-1260	7.85	6.95	8.75	1582084	1406723	11.08
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2007576	11.69
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	1842635	12.20
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4439675	5.08
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3117169	7.00

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013

Instrument ID: GC-Y

Data File: Y2574.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	343142	12.29
Aroclor-1016 {2}	4.05	3.97	4.11	542122	475121	12.36
Aroclor-1016 {3}	4.60	4.52	4.66	704235	606888	13.82
Aroclor-1016 {4}	5.10	5.02	5.16	339663	308851	9.07
Aroclor-1016 {5}	5.49	5.41	5.55	566240	511556	9.66
Aroclor-1260	8.26	7.35	9.15	1700984	1584021	6.88
Aroclor-1260 {2}	8.93	8.03	9.83	815992	751416	7.91
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1891960	0.39
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	999020	6.26
Aroclor-1260 {5}	10.94	10.04	11.84	445413	466399	4.71

Data File: Y2574.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	702495	17.28
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1537410	6.18
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3650355	6.70
Aroclor-1016 {4}	5.31	5.25	5.39	1738204	1596767	8.14
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1248992	7.45
Aroclor-1260	7.85	6.95	8.75	1582084	1485973	6.07
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2180484	4.08
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	2077810	0.99
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4795482	2.53
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3496130	4.31

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/18/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R4820.D R4819.D R4818.D R4817.D R4816.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.20	3.20	3.20	3.20	3.20	3.20	3.13	3.27
Aroclor-1016 {2}	4.03	4.03	4.03	4.03	4.03	4.03	3.96	4.10
Aroclor-1016 {3}	4.59	4.58	4.58	4.58	4.58	4.58	4.51	4.65
Aroclor-1016 {4}	5.09	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.11				2.04	2.18
Aroclor-1221 {2}			3.00				2.93	3.07
Aroclor-1221 {3}			3.13				3.06	3.20
Aroclor-1221 {4}			3.20				3.13	3.27
Aroclor-1221 {5}			3.80				3.73	3.87
Aroclor-1232			3.20				3.13	3.27
Aroclor-1232 {2}			4.03				3.96	4.10
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.29				5.22	5.36
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.03				3.96	4.10
Aroclor-1242 {2}			4.97				4.90	5.04
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.27				6.20	6.34
Aroclor-1248			4.43				4.35	4.51
Aroclor-1248 {2}			4.97				4.89	5.05
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.30	8.30	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.96	8.97	8.07	9.87
Aroclor-1260 {3}	9.46	9.46	9.45	9.45	9.45	9.45	8.55	10.35
Aroclor-1260 {4}	9.95	9.95	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {5}	11.02	11.01	11.01	11.01	11.00	11.01	10.11	11.91

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/18/2013 Instrument ID: GC-R
 GC Column (1st): DB-5

Data File: R4820.D R4819.D R4818.D R4817.D R4816.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	231867	242237	228592	193642	202501	219768	9.41
Aroclor-1016 {2}	323952	328763	312155	266416	283182	302894	8.92
Aroclor-1016 {3}	408864	422707	403550	343925	364951	388800	8.48
Aroclor-1016 {4}	211380	209414	197757	165186	173203	191388	11.03
Aroclor-1016 {5}	318536	325749	322343	275171	293750	307110	7.11
Aroclor-1221			112607				
Aroclor-1221 {2}			180363				
Aroclor-1221 {3}			116612				
Aroclor-1221 {4}			410785				
Aroclor-1221 {5}			87454				
Aroclor-1232			299005				
Aroclor-1232 {2}			173615				
Aroclor-1232 {3}			148470				
Aroclor-1232 {4}			166967				
Aroclor-1232 {5}			214764				
Aroclor-1242			270307				
Aroclor-1242 {2}			167968				
Aroclor-1242 {3}			238157				
Aroclor-1242 {4}			373164				
Aroclor-1242 {5}			318472				
Aroclor-1248			652071				
Aroclor-1248 {2}			375416				
Aroclor-1248 {3}			492167				
Aroclor-1248 {4}			820080				
Aroclor-1248 {5}			559162				
Aroclor-1254			754913				
Aroclor-1254 {2}			471653				
Aroclor-1254 {3}			896264				
Aroclor-1254 {4}			908483				
Aroclor-1254 {5}			831676				
Aroclor-1260	775960	857104	906294	793572	814009	829388	6.34
Aroclor-1260 {2}	377553	403178	424628	369076	376790	390245	5.93
Aroclor-1260 {3}	928859	1035434	1093936	957941	955048	994243	6.89
Aroclor-1260 {4}	468061	491573	539142	480892	479108	491755	5.65
Aroclor-1260 {5}	276730	239351	257112	224560	216162	242783	10.11
Average %RSD							7.99

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/18/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R4820.C R4819.C R4818.C R4817.C R4816.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.37	3.37	3.37	3.37	3.37	3.37	3.30	3.44
Aroclor-1016 {2}	3.93	3.93	3.93	3.93	3.93	3.93	3.86	4.00
Aroclor-1016 {3}	4.65	4.65	4.65	4.65	4.65	4.65	4.58	4.72
Aroclor-1016 {4}	4.85	4.85	4.85	4.85	4.85	4.85	4.78	4.92
Aroclor-1016 {5}	5.01	5.01	5.02	5.02	5.02	5.02	4.95	5.09
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.28				3.21	3.35
Aroclor-1221 {4}			3.37				3.30	3.44
Aroclor-1221 {5}			4.65				4.58	4.72
Aroclor-1232			3.37				3.30	3.44
Aroclor-1232 {2}			4.29				4.22	4.36
Aroclor-1232 {3}			4.85				4.78	4.92
Aroclor-1232 {4}			5.02				4.95	5.09
Aroclor-1232 {5}			5.60				5.53	5.67
Aroclor-1242			4.29				4.22	4.36
Aroclor-1242 {2}			5.02				4.95	5.09
Aroclor-1242 {3}			5.60				5.53	5.67
Aroclor-1242 {4}			5.75				5.68	5.82
Aroclor-1242 {5}			6.29				6.22	6.36
Aroclor-1248			4.65				4.57	4.73
Aroclor-1248 {2}			5.21				5.13	5.29
Aroclor-1248 {3}			5.60				5.52	5.68
Aroclor-1248 {4}			5.75				5.67	5.83
Aroclor-1248 {5}			6.09				6.01	6.17
Aroclor-1254			6.58				6.50	6.66
Aroclor-1254 {2}			7.16				7.08	7.24
Aroclor-1254 {3}			7.59				7.50	7.68
Aroclor-1254 {4}			7.78				7.69	7.87
Aroclor-1254 {5}			8.58				8.49	8.67
Aroclor-1260	7.34	7.34	7.34	7.34	7.34	7.34	6.44	8.24
Aroclor-1260 {2}	7.59	7.59	7.59	7.59	7.59	7.59	6.69	8.49
Aroclor-1260 {3}	9.17	9.17	9.17	9.17	9.17	9.17	8.27	10.07
Aroclor-1260 {4}	9.69	9.69	9.69	9.68	9.68	9.69	8.79	10.59
Aroclor-1260 {5}	10.28	10.28	10.27	10.27	10.27	10.27	9.37	11.17

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/18/2013 Instrument ID: GC-R
 GC Column (2nd): DB-1701P

Data File: R4820.C R4819.C R4818.C R4817.C R4816.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	550494	519905	477104	398620	415593	472343	13.82
Aroclor-1016 {2}	1137773	1114790	971547	817071	857941	979824	14.84
Aroclor-1016 {3}	2409237	2308318	2162673	1836901	1930647	2129555	11.42
Aroclor-1016 {4}	976378	938082	902861	752678	797813	873562	10.85
Aroclor-1016 {5}	765897	723148	693529	580374	604962	673582	11.68
Aroclor-1221			232590				
Aroclor-1221 {2}			371702				
Aroclor-1221 {3}			228573				
Aroclor-1221 {4}			851260				
Aroclor-1221 {5}			156189				
Aroclor-1232			626422				
Aroclor-1232 {2}			237558				
Aroclor-1232 {3}			506906				
Aroclor-1232 {4}			387345				
Aroclor-1232 {5}			545113				
Aroclor-1242			361591				
Aroclor-1242 {2}			595144				
Aroclor-1242 {3}			790982				
Aroclor-1242 {4}			656779				
Aroclor-1242 {5}			1253965				
Aroclor-1248			1407656				
Aroclor-1248 {2}			2125325				
Aroclor-1248 {3}			1515589				
Aroclor-1248 {4}			1365446				
Aroclor-1248 {5}			734322				
Aroclor-1254			1659417				
Aroclor-1254 {2}			1314077				
Aroclor-1254 {3}			861013				
Aroclor-1254 {4}			1218067				
Aroclor-1254 {5}			1822415				
Aroclor-1260	922431	1045578	934621	786115	713116	880372	14.90
Aroclor-1260 {2}	1394880	1337506	1235464	1030567	1057679	1211219	13.47
Aroclor-1260 {3}	1134860	1095803	1056150	902187	916628	1021126	10.36
Aroclor-1260 {4}	2472691	2519783	2419894	2060860	2010835	2296813	10.51
Aroclor-1260 {5}	1675873	1830814	1743697	1489536	1439740	1635932	10.19

Average %RSD

12.21

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/18/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R4820.D R4819.D R4818.D R4817.D R4816.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			11.01				10.89	11.13
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.17				10.05	10.29
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.61				11.49	11.73

GC Column (2nd): DB-1701P

Data File: R4820.C R4819.C R4818.C R4817.C R4816.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.17				9.05	9.29
Aroclor-1262 {2}			9.68				9.56	9.80
Aroclor-1262 {3}			10.17				10.05	10.29
Aroclor-1262 {4}			10.26				10.14	10.38
Aroclor-1262 {5}			10.86				10.74	10.98
Aroclor-1268			10.17				10.05	10.29
Aroclor-1268 {2}			10.25				10.13	10.37
Aroclor-1268 {3}			10.50				10.38	10.62
Aroclor-1268 {4}			10.64				10.52	10.76
Aroclor-1268 {5}			11.72				11.60	11.84

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/18/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File:

R4820.D R4819.D R4818.D R4817.D R4816.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			420599				
Aroclor-1262 {2}			1542205				
Aroclor-1262 {3}			582031				
Aroclor-1262 {4}			721905				
Aroclor-1262 {5}			531740				
Aroclor-1268			1681176				
Aroclor-1268 {2}			1910902				
Aroclor-1268 {3}			1476250				
Aroclor-1268 {4}			401069				
Aroclor-1268 {5}			4856406				

GC Column (2nd): DB-1701P

Data File:

R4820.C R4819.C R4818.C R4817.C R4816.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1508129				
Aroclor-1262 {2}			3468452				
Aroclor-1262 {3}			1097700				
Aroclor-1262 {4}			2448536				
Aroclor-1262 {5}			430436				
Aroclor-1268			3602626				
Aroclor-1268 {2}			4026803				
Aroclor-1268 {3}			3133762				
Aroclor-1268 {4}			846659				
Aroclor-1268 {5}			9930684				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013

Instrument ID: GC-R

Data File: R5035.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	219768	209141	4.84
Aroclor-1016 {2}	4.03	3.96	4.10	302894	284556	6.05
Aroclor-1016 {3}	4.59	4.51	4.65	388800	370891	4.61
Aroclor-1016 {4}	5.09	5.02	5.16	191388	186352	2.63
Aroclor-1016 {5}	5.49	5.42	5.56	307110	296131	3.57
Aroclor-1260	8.29	7.39	9.19	829388	940361	13.38
Aroclor-1260 {2}	8.97	8.07	9.87	390245	428869	9.90
Aroclor-1260 {3}	9.45	8.55	10.35	994243	1158029	16.47
Aroclor-1260 {4}	9.94	9.04	10.84	491755	588458	19.66
Aroclor-1260 {5}	11.00	10.11	11.91	242783	287741	18.52

Data File: R5035.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.38	3.30	3.44	472343	408679	13.48
Aroclor-1016 {2}	3.94	3.86	4.00	979824	809692	17.36
Aroclor-1016 {3}	4.66	4.58	4.72	2129555	1828108	14.16
Aroclor-1016 {4}	4.86	4.78	4.92	873562	761813	12.79
Aroclor-1016 {5}	5.03	4.95	5.09	673582	587264	12.81
Aroclor-1260	7.35	6.44	8.24	880372	827707	5.98
Aroclor-1260 {2}	7.60	6.69	8.49	1211219	1092630	9.79
Aroclor-1260 {3}	9.18	8.27	10.07	1021126	1042531	2.10
Aroclor-1260 {4}	9.69	8.79	10.59	2296813	2401830	4.57
Aroclor-1260 {5}	10.27	9.37	11.17	1635932	1743584	6.58

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013

Instrument ID: GC-R

Data File: R5044.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	219768	208582	5.09
Aroclor-1016 {2}	4.03	3.96	4.10	302894	283539	6.39
Aroclor-1016 {3}	4.59	4.51	4.65	388800	369554	4.95
Aroclor-1016 {4}	5.09	5.02	5.16	191388	184436	3.63
Aroclor-1016 {5}	5.49	5.42	5.56	307110	291396	5.12
Aroclor-1260	8.30	7.39	9.19	829388	857236	3.36
Aroclor-1260 {2}	8.97	8.07	9.87	390245	381865	2.15
Aroclor-1260 {3}	9.45	8.55	10.35	994243	1053404	5.95
Aroclor-1260 {4}	9.94	9.04	10.84	491755	537236	9.25
Aroclor-1260 {5}	11.00	10.11	11.91	242783	252815	4.13

Data File: R5044.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	472343	383086	18.90
Aroclor-1016 {2}	3.93	3.86	4.00	979824	797592	18.60
Aroclor-1016 {3}	4.65	4.58	4.72	2129555	1724061	19.04
Aroclor-1016 {4}	4.85	4.78	4.92	873562	710417	18.68
Aroclor-1016 {5}	5.02	4.95	5.09	673582	544291	19.19
Aroclor-1260	7.34	6.44	8.24	880372	731193	16.95
Aroclor-1260 {2}	7.58	6.69	8.49	1211219	1020260	15.77
Aroclor-1260 {3}	9.17	8.27	10.07	1021126	830432	18.67
Aroclor-1260 {4}	9.68	8.79	10.59	2296813	1946584	15.25
Aroclor-1260 {5}	10.26	9.37	11.17	1635932	1385919	15.28

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/29/2013 Instrument ID: GC-R

Data File: R5061.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	219768	212237	3.43
Aroclor-1016 {2}	4.04	3.96	4.10	302894	287964	4.93
Aroclor-1016 {3}	4.59	4.51	4.65	388800	376101	3.27
Aroclor-1016 {4}	5.10	5.02	5.16	191388	186579	2.51
Aroclor-1016 {5}	5.49	5.42	5.56	307110	295784	3.69
Aroclor-1260	8.30	7.39	9.19	829388	870463	4.95
Aroclor-1260 {2}	8.97	8.07	9.87	390245	379352	2.79
Aroclor-1260 {3}	9.45	8.55	10.35	994243	1045866	5.19
Aroclor-1260 {4}	9.94	9.04	10.84	491755	530152	7.81
Aroclor-1260 {5}	11.00	10.11	11.91	242783	252899	4.17

Data File: R5061.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	472343	380228	19.50
Aroclor-1016 {2}	3.93	3.86	4.00	979824	797010	18.66
Aroclor-1016 {3}	4.65	4.58	4.72	2129555	1714807	19.48
Aroclor-1016 {4}	4.85	4.78	4.92	873562	703475	19.47
Aroclor-1016 {5}	5.02	4.95	5.09	673582	540981	19.69
Aroclor-1260	7.34	6.44	8.24	880372	725417	17.60
Aroclor-1260 {2}	7.59	6.69	8.49	1211219	1018464	15.91
Aroclor-1260 {3}	9.17	8.27	10.07	1021126	819538	19.74
Aroclor-1260 {4}	9.68	8.79	10.59	2296813	1903845	17.11
Aroclor-1260 {5}	10.26	9.37	11.17	1635932	1419448	13.23

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.77</u>	DCB 1	<u>12.04</u>	TCMX 2	<u>2.89</u>	DCB 2	<u>12.48</u>
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Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA131021-17	10/22/2013	21:25	2.77	12.04	2.89	12.48
PCB	LCSA131021-17	10/22/2013	21:43	2.77	12.04	2.89	12.48
OUTFALL	E13-10256-001	10/22/2013	22:00	2.77	12.04	2.89	12.48
FB-21	E13-10192-011	10/22/2013	22:17	2.77	12.04	2.89	12.48
FB-22	E13-10227-014	10/22/2013	22:35	2.77	12.04	2.89	12.48
PCB	E13-10256-001MS	10/22/2013	22:52	2.77	12.04	2.89	12.48
PCB	E13-10256-001MSD	10/22/2013	23:09	2.77	12.04	2.89	12.48

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (\pm 0.10 Minutes)

DCB = Decachlorobiphenyl (\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.77</u>	DCB 1	<u>12.03</u>	TCMX 2	<u>2.89</u>	DCB 2	<u>12.47</u>
--------	-------------	-------	--------------	--------	-------------	-------	--------------

Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA131101-10		11/01/2013	17:36	2.77	12.03	2.89	12.47
PCB	LCSA131101-10		11/01/2013	17:54	2.77	12.03	2.89	12.47
FB-10281	E13-10721-027		11/01/2013	18:11	2.77	12.03	2.89	12.47
FB-26	E13-10679-016		11/01/2013	18:28	2.77	12.03	2.89	12.47
FB-27	E13-10707-020		11/01/2013	18:46	2.77	12.03	2.89	12.47
FB-28	E13-10748-014		11/01/2013	19:03	2.77	12.03	2.89	12.47
FB	E13-10877-007		11/01/2013	19:21	2.77	12.04	2.89	12.47
FB-29	E13-10796-024		11/01/2013	19:38	2.77	12.03	2.89	12.47
FB-30	E13-10867-016		11/01/2013	19:55	2.77	12.03	2.89	12.47

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	2.77	DCB 1	12.03	TCMX 2	2.90	DCB 2	12.47
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Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
Client ID	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKS131028-12	10/29/2013	10:42	2.77	12.03	2.90	12.47
PCB	LCSS131028-12	10/29/2013	11:00	2.77	12.03	2.89	12.47
GPEC_WC_	E13-10601-001	10/29/2013	11:34	2.77	12.03	2.89	12.47
PCB	10601-001MS	10/29/2013	11:52	2.77	12.03	2.89	12.47
PCB	10601-001MSD	10/29/2013	12:09	2.77	12.03	2.89	12.47
HL-1/1-1	E13-10296-007	10/29/2013	12:44	2.77	12.03	2.89	12.47
WC-2	E13-10536-002	10/29/2013	13:01	2.77	12.03	2.89	12.47
CC-47(0-	E13-10679-001	10/29/2013	13:18	2.77	12.03	2.89	12.47
CC-47(1.	E13-10679-002	10/29/2013	13:36	2.77	12.03	2.89	12.47
DD-47(0-	E13-10679-003	10/29/2013	13:53	2.77	12.03	2.89	12.47
DD-47(1.	E13-10679-004	10/29/2013	14:10	2.77	12.03	2.89	12.47
BB-47(0-	E13-10679-005	10/29/2013	14:28	2.77	12.03	2.89	12.47
BB-47(1.	E13-10679-006	10/29/2013	14:45	2.77	12.03	2.89	12.47
BB-47(2.	E13-10679-007	10/29/2013	15:03	2.77	12.03	2.89	12.47
AA-47(0-	E13-10679-008	10/29/2013	15:20	2.77	12.03	2.89	12.47
AA-47(1.	E13-10679-009	10/29/2013	15:37	2.77	12.03	2.89	12.47
DD-47(1.	E13-10679-004DL	10/29/2013	15:55	2.77	12.03	2.89	12.47
CC-47(1.	E13-10679-002DL	10/29/2013	16:12	2.77	12.04	2.89	12.47
NMR-WMSG	E13-10666-001	10/29/2013	16:47	2.77	12.03	2.89	12.47
NMR-FLSG	E13-10666-002	10/29/2013	17:04	2.79	12.03	2.90	12.47
NMR-NWSG	E13-10666-003	10/29/2013	17:22	2.77	12.03	2.89	12.47
NMR-PTSG	E13-10666-004	10/29/2013	17:39	2.77	12.03	2.89	12.47
NMR-KRSG	E13-10666-005	10/29/2013	17:56	2.77	12.03	2.89	12.47
NMR-HHSG	E13-10666-006	10/29/2013	18:14	2.77	12.03	2.89	12.47
NMR-HMSG	E13-10666-007	10/29/2013	18:31	2.77	12.03	2.89	12.47

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.56</u>	DCB 2	<u>11.94</u>
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Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS131029-04	10/29/2013	14:37	2.74	12.09	2.56	11.94
PCB	LCSS131029-04	10/29/2013	14:55	2.74	12.09	2.56	11.93
S-11	E13-10681-005	10/29/2013	15:21	2.74	12.08	2.57	11.93
PCB	10681-005MS	10/29/2013	15:39	2.74	12.08	2.56	11.93
PCB	10681-005MSD	10/29/2013	15:56	2.74	12.08	2.56	11.93
320-A/2.	E13-10503-001	10/29/2013	16:14	2.74	12.08	2.56	11.93
320-F/2.	E13-10503-006	10/29/2013	16:31	2.74	12.08	2.56	11.93
320-I/2.	E13-10503-009	10/29/2013	16:49	2.74	12.08	2.56	11.93
AA-47(2.)	E13-10679-010	10/29/2013	18:16	2.74	12.08	2.56	11.93
AA-47(3.)	E13-10679-011	10/29/2013	18:33	2.74	12.09	2.56	11.93
U-45R(2.)	E13-10679-012	10/29/2013	18:51	2.74	12.08	2.56	11.93
U-45R(3.)	E13-10679-013	10/29/2013	19:08	2.74	12.09	2.56	11.93
U-45N(1)	E13-10679-014	10/29/2013	19:26	2.74	12.09	2.56	11.93
T-45(4.0)	E13-10679-015	10/29/2013	19:43	2.74	12.09	2.56	11.93
SB-1A	E13-10708-001	10/29/2013	20:01	2.74	12.08	2.56	11.93
SB-1B	E13-10708-002	10/29/2013	20:18	2.74	12.08	2.56	11.93
SB-2A	E13-10708-003	10/29/2013	20:36	2.74	12.08	2.56	11.93
SB-2B	E13-10708-004	10/29/2013	20:53	2.74	12.08	2.56	11.93
SB-3A	E13-10708-005	10/29/2013	21:11	2.74	12.08	2.56	11.93
SB-3B	E13-10708-006	10/29/2013	21:28	2.74	12.08	2.56	11.93
S-5	E13-10681-001	10/29/2013	21:45	2.74	12.08	2.56	11.93
S-6	E13-10681-002	10/29/2013	22:03	2.74	12.08	2.56	11.93
S-7	E13-10681-003	10/29/2013	22:20	2.74	12.08	2.56	11.93
S-10	E13-10681-004	10/29/2013	22:38	2.74	12.08	2.56	11.93

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

E13-10679 0084

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2555.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 13:18
 Operator : JS
 Sample : CC-47(0-,E13-10679-001,S,5.81g,75.5,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 15:52:18 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3978.1E6	8532.0E6	219.177	203.838
Spiked Amount	200.000			Recovery	= 109.59%	101.92%
2) S DCB	12.03	12.47	1290.9E6	3123.5E6	176.996	198.889
Spiked Amount	200.000			Recovery	= 88.50%	99.44%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	1569.8E6	2972.3E6	1531.689	1192.619
24) L6 Aroclor-1248 {2}	4.98	5.69	518.6E6	2978.5E6	849.562	792.719
25) L6 Aroclor-1248 {3}	5.30	6.09	1031.9E6	2511.9E6	1317.062	931.106 #
26) L6 Aroclor-1248 {4}	5.99	6.24	650.1E6	1627.8E6	544.735	690.546 #
27) L6 Aroclor-1248 {5}	6.26	6.59	511.4E6	535.1E6	542.002	395.749 #
Sum Aroclor-1248			4281.8E6	10625.7E6	4785.050	4002.739
Average Aroclor-1248					957.010	800.548
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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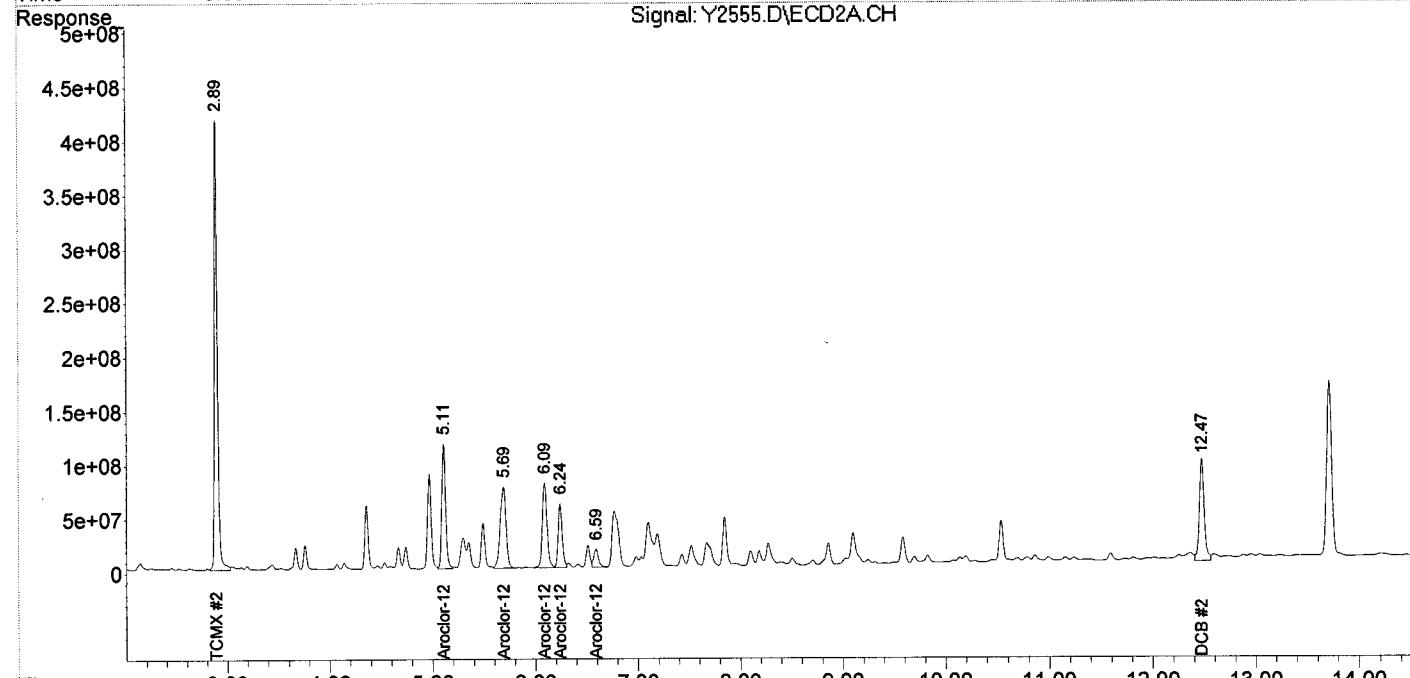
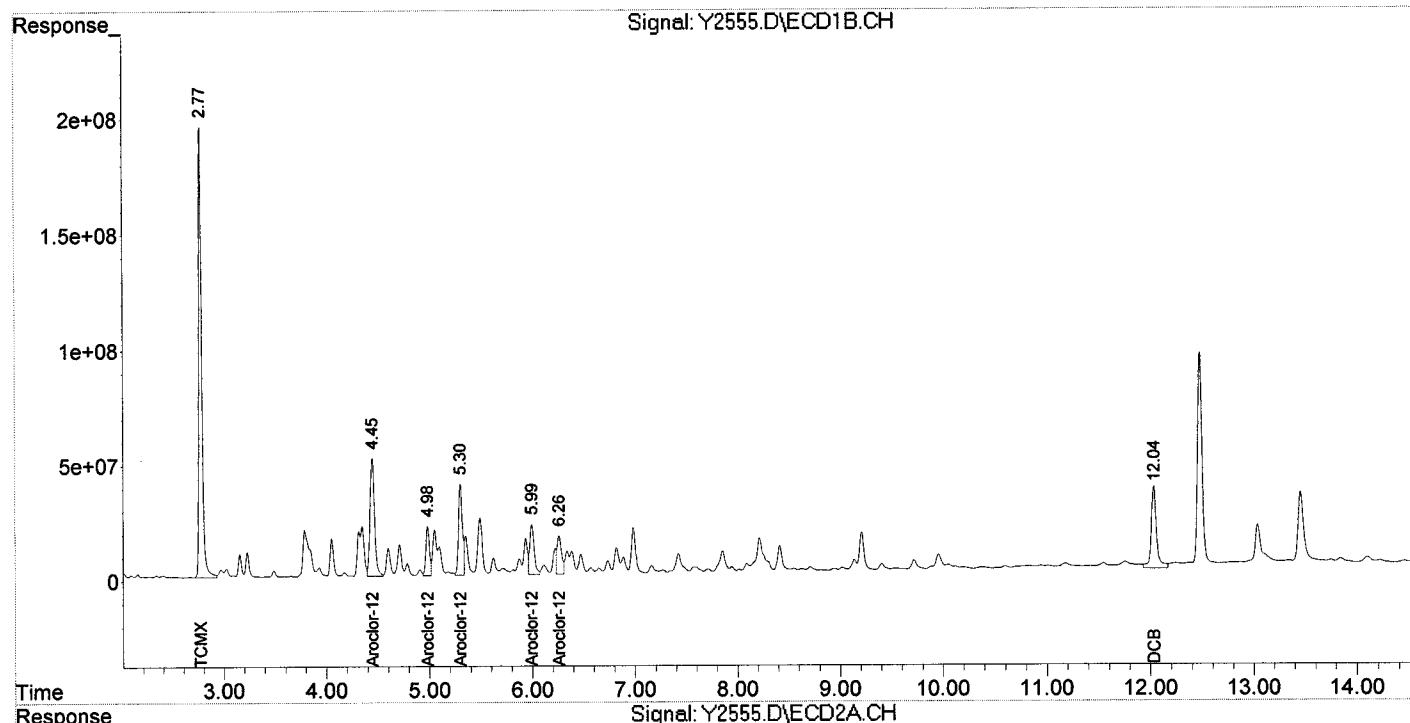
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2555.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 13:18
Operator : JS
Sample : CC-47(0-,E13-10679-001,S,5.81g,75.5,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 15:52:18 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2556.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 13:36
 Operator : JS
 Sample : CC-47(1.,E13-10679-002,S,5.82g,74.5,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:29:43 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4299.4E6	8130.2E6	236.882	194.238
Spiked Amount	200.000				Recovery = 118.44%	97.12%
2) S DCB	12.03	12.47	1931.4E6	4025.8E6	264.821	256.341
Spiked Amount	200.000				Recovery = 132.41%	128.17%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
24) L6 Aroclor-1248 {2}	4.98	5.69	3744.1E6	25108.0E6	6133.737	6682.388
25) L6 Aroclor-1248 {3}	5.30	6.09	3384.9E6	11322.3E6	4320.212	4196.908
26) L6 Aroclor-1248 {4}	5.99	6.24	2019.2E6	9698.4E6	1692.052	4114.185 #
27) L6 Aroclor-1248 {5}	6.26	6.59	1538.4E6	2024.8E6	1630.292	1497.527
Sum Aroclor-1248			10686.6E6	48153.6E6	13776.294	16491.007
Average Aroclor-1248					3444.073	4122.752
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

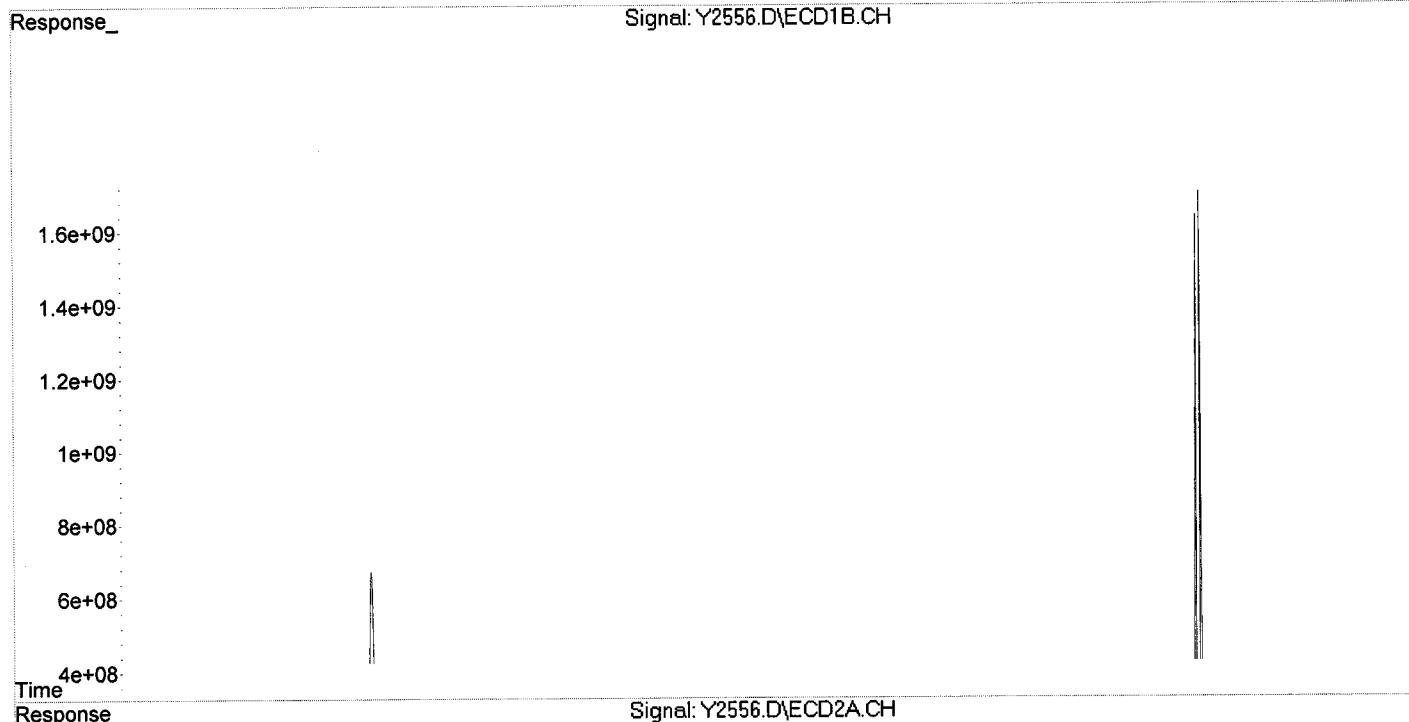
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

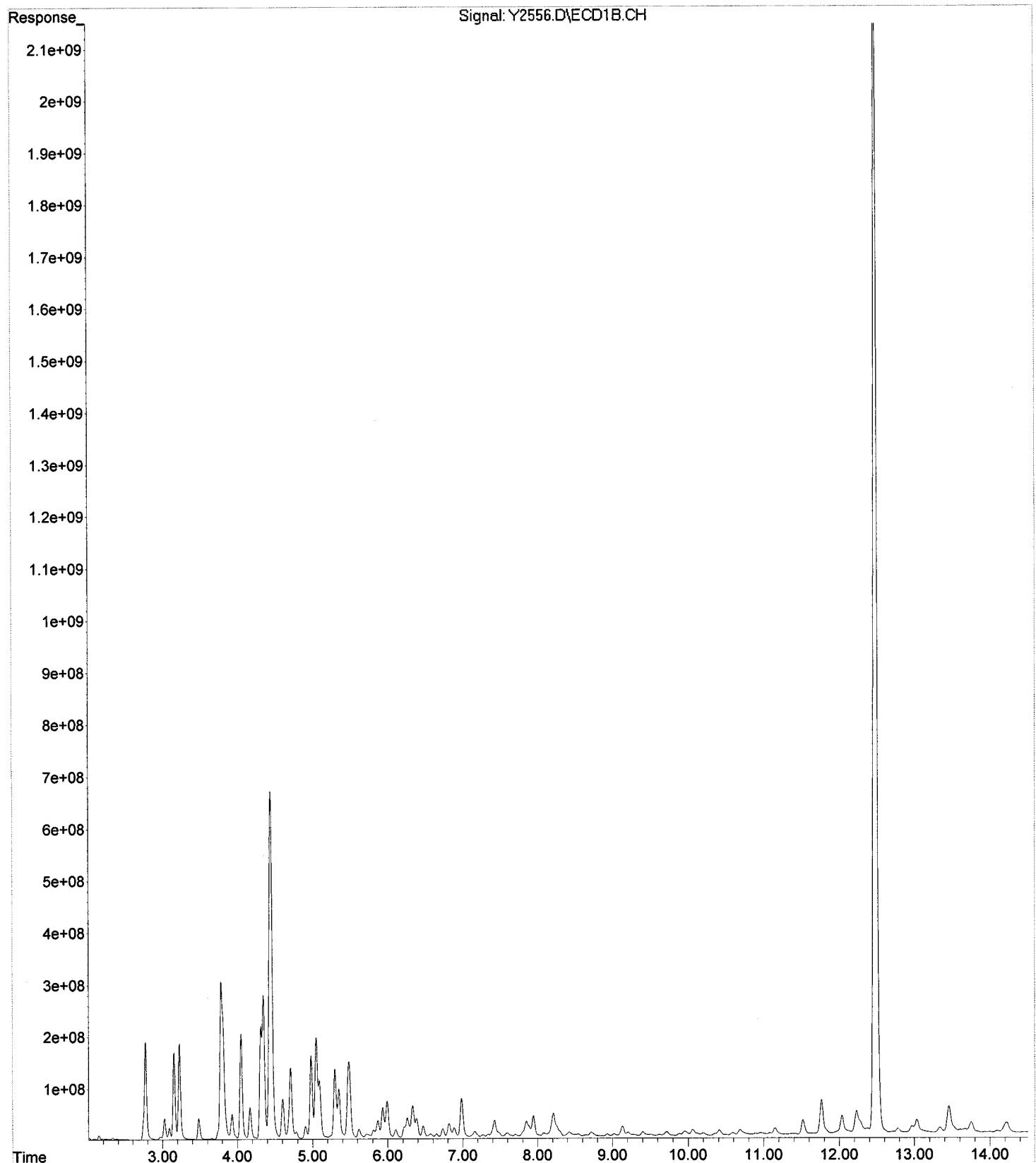
Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2556.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 13:36
Operator : JS
Sample : CC-47(1.,E13-10679-002,S,5.82g,74.5,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:29:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

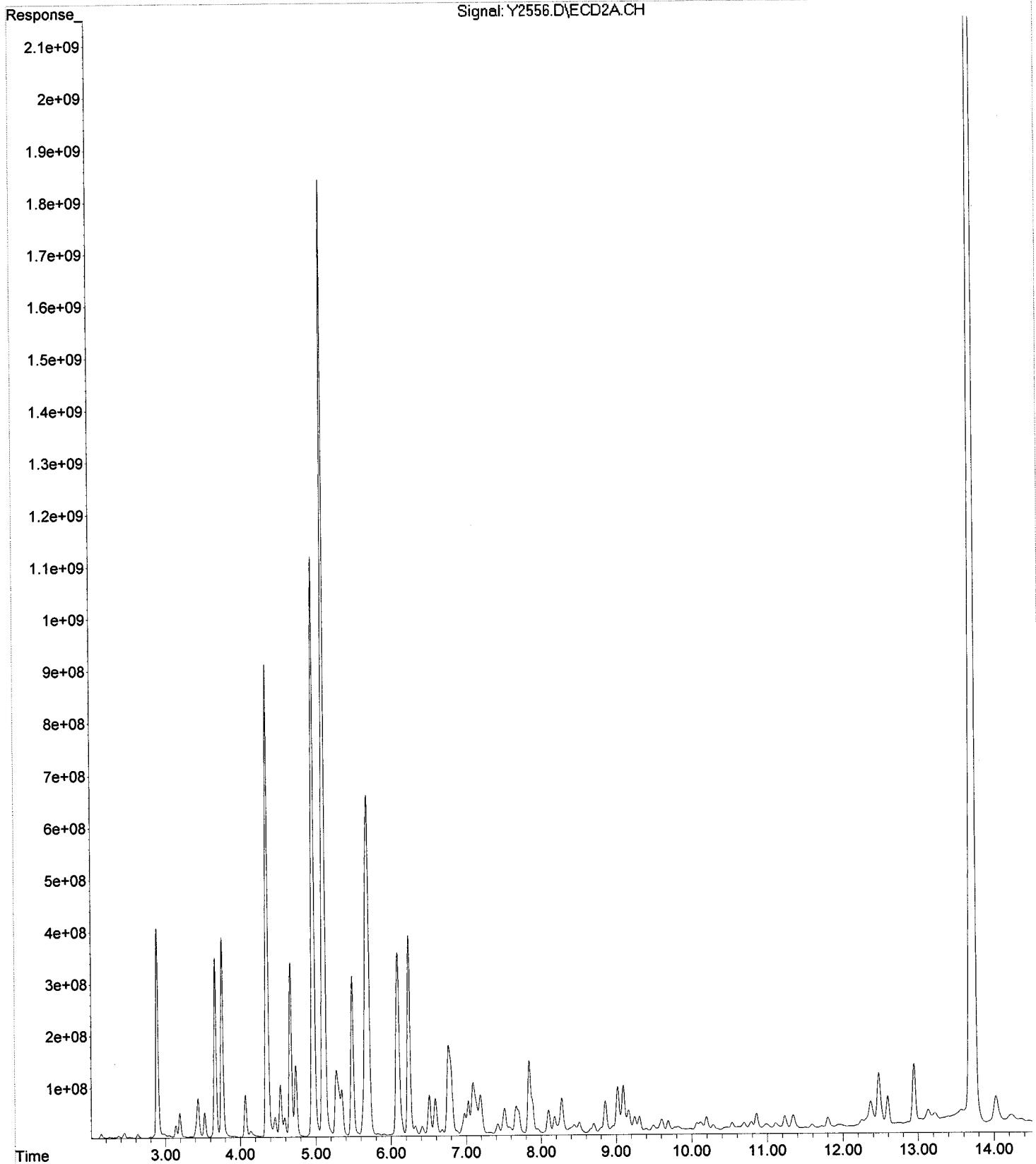
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDChem\1\DATA\10-29-13\Y2556.D
Operator : JS
Acquired : 29 Oct 2013 13:36 using AcqMethod YPCB1024.M
Instrument : GC-Y
Sample Name: CC-47(1.,E13-10679-002,S,5.82g,74.5,20
Misc Info : 131028-12,10/28/13,10/25/13,1
Vial Number: 11



File : C:\MSDChem\1\DATA\10-29-13\Y2556.D
Operator : JS
Acquired : 29 Oct 2013 13:36 using AcqMethod YPCB1024.M
Instrument : GC-Y
Sample Name: CC-47(1.,E13-10679-002,S,5.82g,74.5,20
Misc Info : 131028-12,10/28/13,10/25/13,1
Vial Number: 11



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2565.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 16:12
 Operator : JS
 Sample : CC-47(1.,E13-10679-002DL,S,5.82g,74.5,20
 Misc : 131028-12,10/28/13,10/25/13,5
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:29:26 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	1065.6E6	2025.1E6	58.709	48.382
Spiked Amount	200.000			Recovery	=	29.35% 24.19%
2) S DCB	12.04	12.47	236.3E6	771.8E6	32.398m	49.146m#
Spiked Amount	200.000			Recovery	=	16.20% 24.57%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
24) L6 Aroclor-1248 {2}	4.98	5.69	932.6E6	6392.7E6	1527.756	1701.376
25) L6 Aroclor-1248 {3}	5.30	6.09	828.9E6	3077.9E6	1057.879	1140.896
26) L6 Aroclor-1248 {4}	5.99	6.24	511.7E6	2494.3E6	428.801	1058.107 #
27) L6 Aroclor-1248 {5}	6.26	6.59	377.3E6	553.6E6	399.885	409.426
Sum Aroclor-1248			2650.5E6	12518.4E6	3414.322	4309.805
Average Aroclor-1248					853.580	1077.451
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

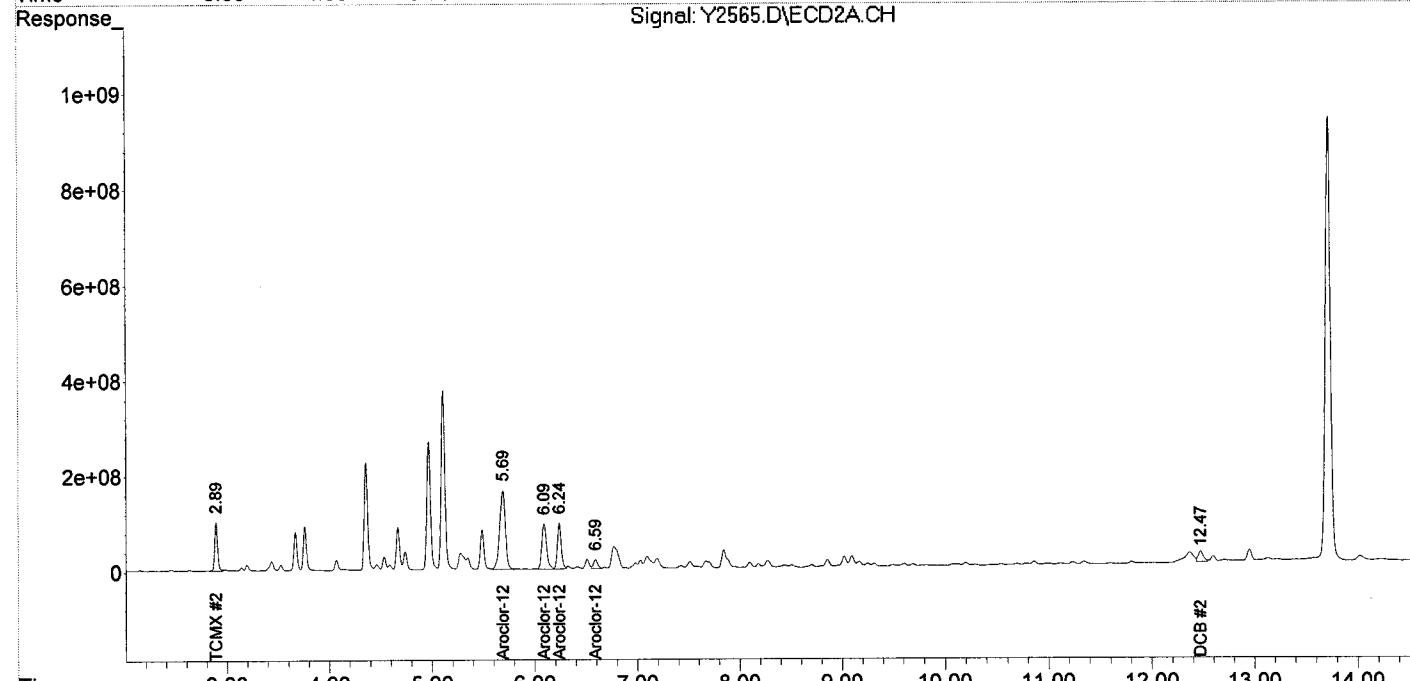
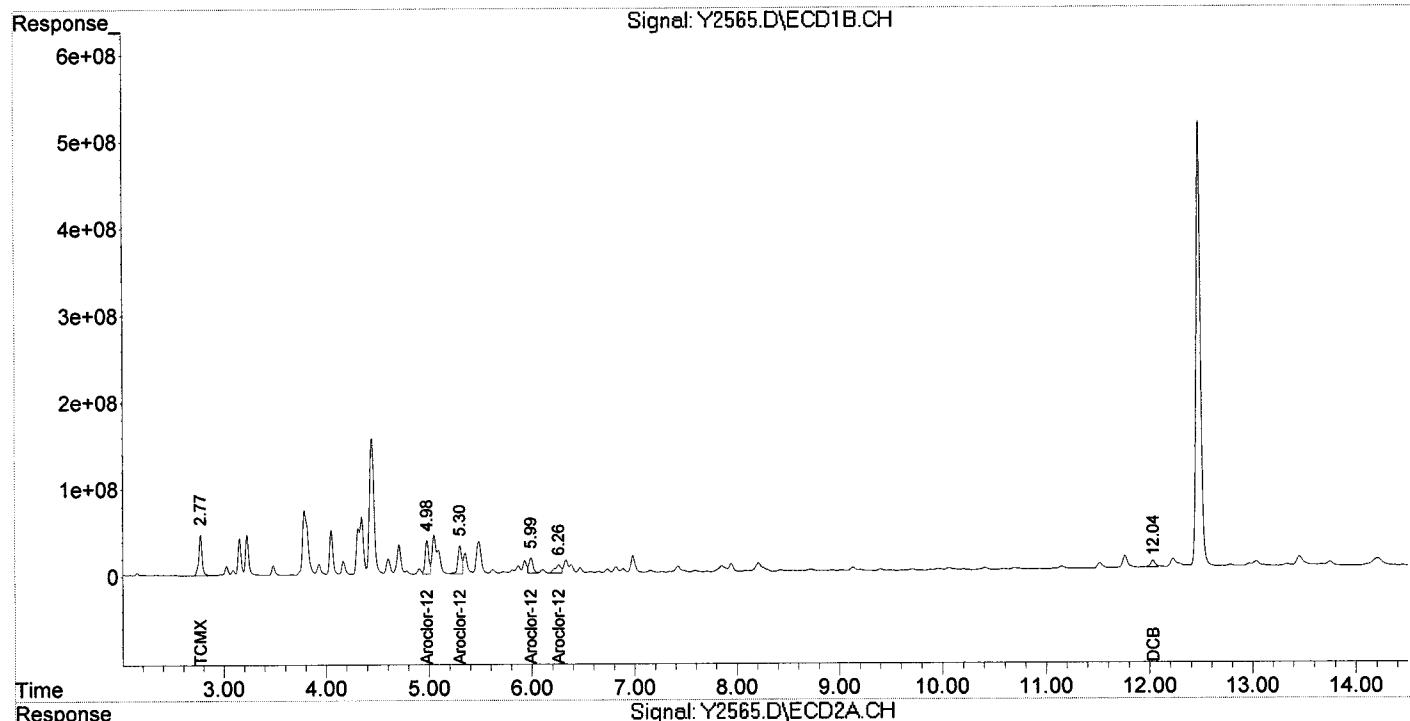
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2565.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 16:12
Operator : JS
Sample : CC-47(1.,E13-10679-002DL,S,5.82g,74.5,20
Misc : 131028-12,10/28/13,10/25/13,5
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:29:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2557.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 13:53
 Operator : JS
 Sample : DD-47(0-,E13-10679-003,S,5.79g,76.3,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 14:43:33 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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System Monitoring Compounds

1) S TCMX	2.77	2.89	4310.0E6	9013.3E6	237.468	215.338
Spiked Amount	200.000				Recovery = 118.73%	107.67%
2) S DCB	12.03	12.47	1378.7E6	3580.1E6	189.035	227.959
Spiked Amount	200.000				Recovery = 94.52%	113.98%

Target Compounds

Sum Aroclor-1016	0	0	N.D.	N.D.
Average Aroclor-1016			0.000	0.000

Sum Aroclor-1221	0	0	N.D.	N.D.
Average Aroclor-1221			0.000	0.000

Sum Aroclor-1232	0	0	N.D.	N.D.
Average Aroclor-1232			0.000	0.000

Sum Aroclor-1242	0	0	N.D.	N.D.
Average Aroclor-1242			0.000	0.000

23) L6 Aroclor-1248	4.45	5.11	59107952	133.8E6	57.672	53.705
24) L6 Aroclor-1248 {2}	4.98	5.68	170.4E6	882.1E6	279.085	234.770
25) L6 Aroclor-1248 {3}	5.30	6.09	190.7E6	656.9E6	243.441	243.510
26) L6 Aroclor-1248 {4}	6.00	6.24	349.3E6	306.5E6	292.686	130.011 #
27) L6 Aroclor-1248 {5}	6.26	6.58	195.6E6	253.6E6	207.269	187.529
Sum Aroclor-1248			965.1E6	2232.9E6	1080.153	849.525
Average Aroclor-1248					216.031	169.905

28) L7 Aroclor-1254	6.38	7.12	209.0E6	284.0E6	173.990	93.376 #
29) L7 Aroclor-1254 {2}	6.83	7.67	259.7E6	780.4E6	327.398	329.499
30) L7 Aroclor-1254 {3}	6.98	8.28	416.2E6	644.9E6	289.595	284.576
31) L7 Aroclor-1254 {4}	7.41	8.51	372.0E6	428.6E6	236.959	310.313 #
32) L7 Aroclor-1254 {5}	8.26	9.13	411.0E6	409.1E6	286.555	117.179m#
Sum Aroclor-1254			1667.8E6	2547.0E6	1314.498	1134.943
Average Aroclor-1254					262.900	226.989

Sum Aroclor-1260	0	0	N.D.	N.D.
Average Aroclor-1260			0.000	0.000
Sum Aroclor-1262	0	0	N.D.	N.D.
Average Aroclor-1262			0.000	0.000
Sum Aroclor-1268	0	0	N.D.	N.D.
Average Aroclor-1268			0.000	0.000

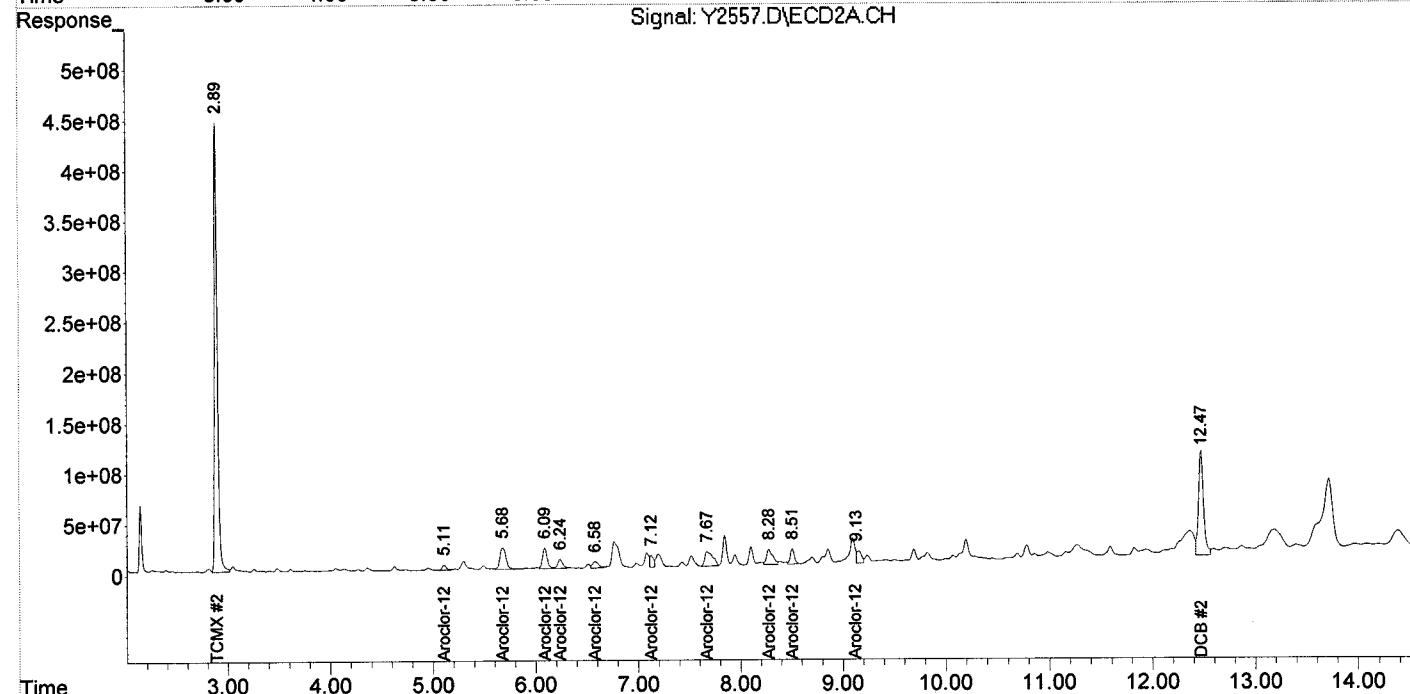
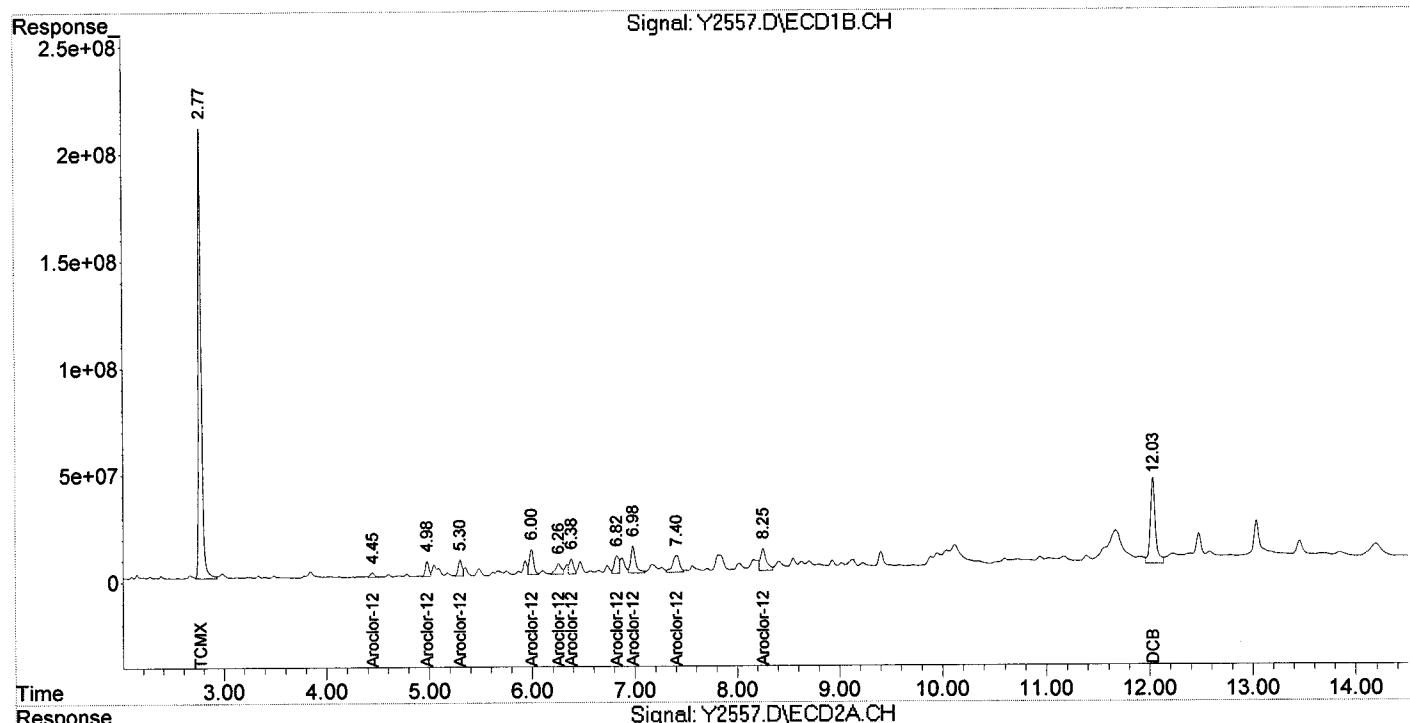
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2557.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 13:53
Operator : JS
Sample : DD-47(0-,E13-10679-003,S,5.79g,76.3,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 14:43:33 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2558.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 14:10
 Operator : JS
 Sample : DD-47(1.,E13-10679-004,S,5.65g,74.4,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:30:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4027.7E6	8533.3E6	221.910	203.870
Spiked Amount	200.000			Recovery	= 110.96%	101.94%
2) S DCB	12.03	12.47	1433.9E6	4182.3E6	196.606	266.307 #
Spiked Amount	200.000			Recovery	= 98.30%	133.15%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	1605.0E6	2805.1E6	1566.027	1125.535 #
24) L6 Aroclor-1248 {2}	4.98	5.69	2120.5E6	11943.1E6	3473.921	3178.597
25) L6 Aroclor-1248 {3}	5.30	6.09	3002.0E6	9220.6E6	3831.441	3417.845
26) L6 Aroclor-1248 {4}	5.99	6.24	5070.8E6	5246.5E6	4249.239	2225.619 #
27) L6 Aroclor-1248 {5}	6.26	6.59	3127.5E6	2604.3E6	3314.388	1926.144 #
Sum Aroclor-1248			14925.8E6	31819.6E6	16435.017	11873.740
Average Aroclor-1248					3287.003	2374.748
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

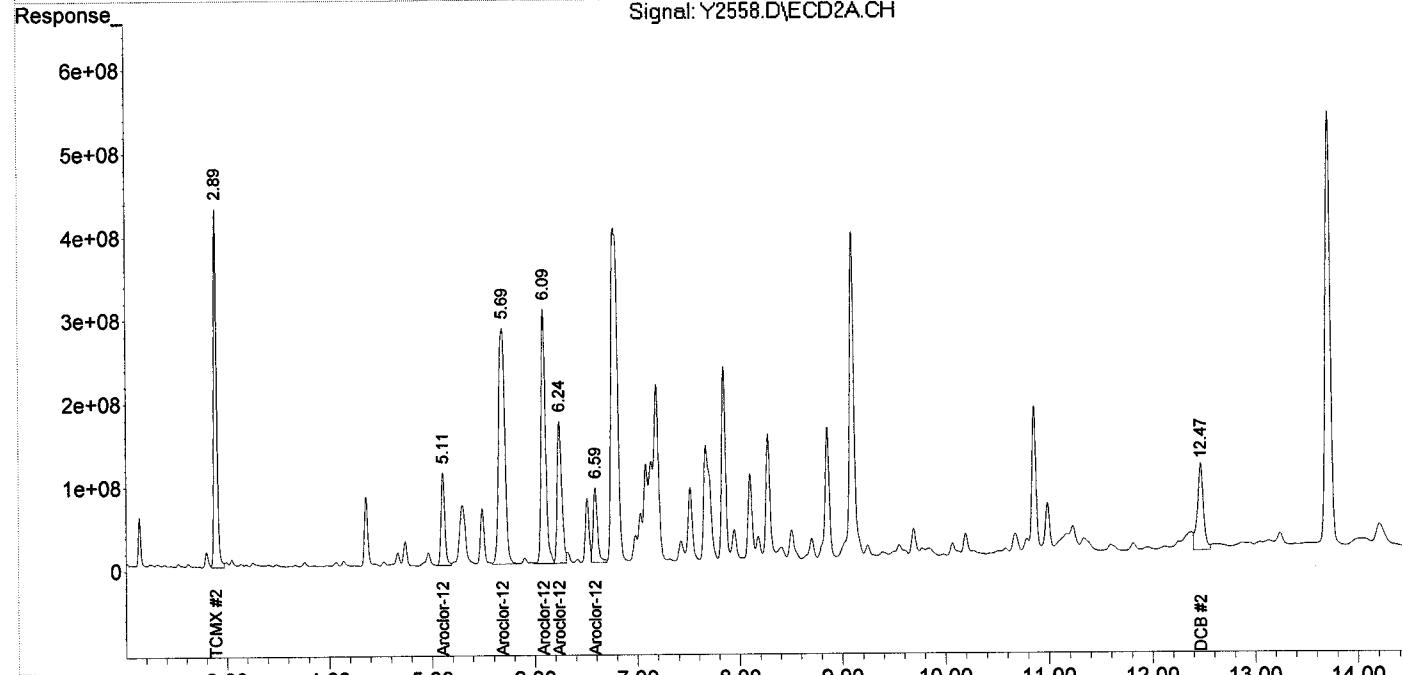
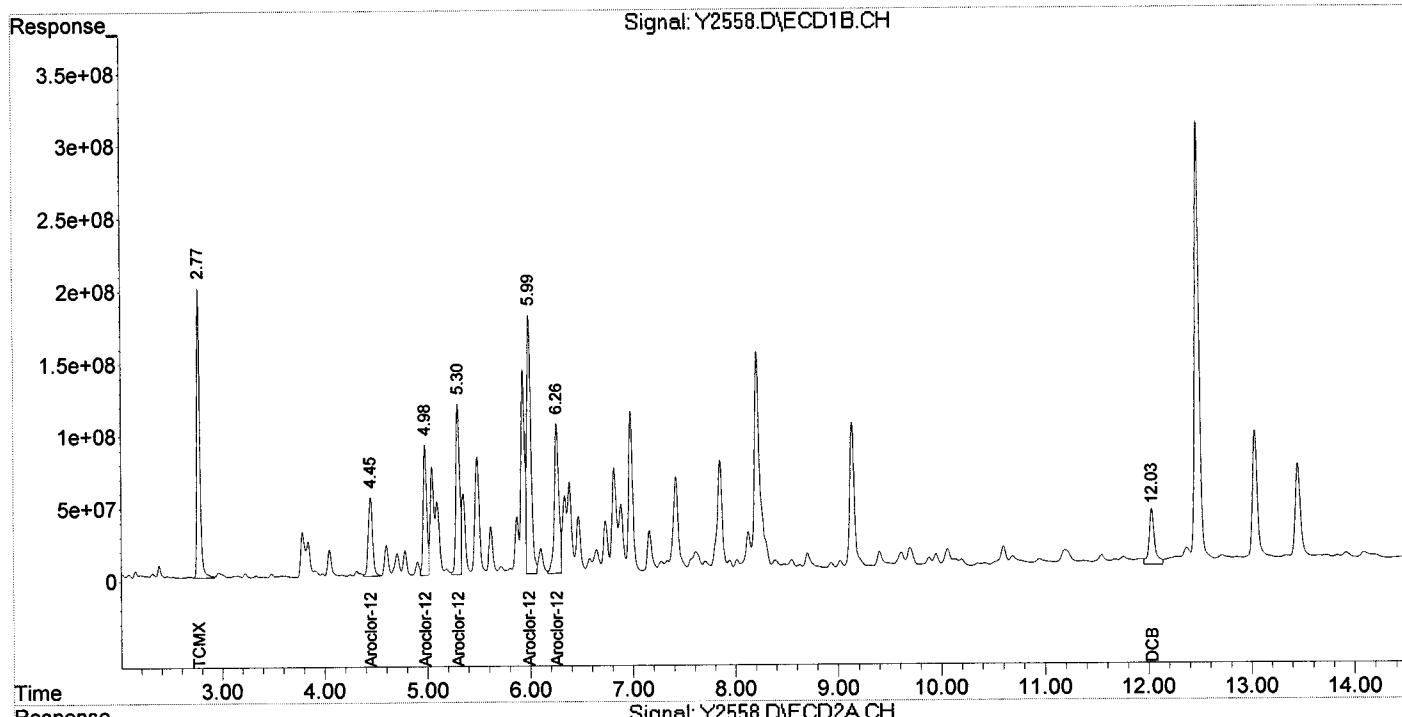
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2558.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 14:10
 Operator : JS
 Sample : DD-47(1.,E13-10679-004,S,5.65g,74.4,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:30:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2564.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 15:55
 Operator : JS
 Sample : DD-47(1..E13-10679-004DL,S.5,65g,74.4,20
 Misc : 131028-12,10/28/13,10/25/13,5
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:17:51 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	994.7E6	2100.8E6	54.804	50.191
Spiked Amount	200.000		Recovery	=	27.40%	25.10%
2) S DCB	12.03	12.47	365.4E6	856.4E6	50.095	54.528m
Spiked Amount	200.000		Recovery	=	25.05%	27.26%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	412.6E6	805.0E6	402.533	322.988
24) L6 Aroclor-1248 {2}	4.98	5.69	560.6E6	3351.3E6	918.339	891.933
25) L6 Aroclor-1248 {3}	5.30	6.09	772.4E6	2559.6E6	985.870	948.789
26) L6 Aroclor-1248 {4}	5.99	6.24	1298.0E6	1484.4E6	1087.676	629.682 #
27) L6 Aroclor-1248 {5}	6.26	6.59	776.7E6	747.6E6	823.066	552.939 #
Sum Aroclor-1248			3820.2E6	8947.9E6	4217.485	3346.331
Average Aroclor-1248					843.497	669.266
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

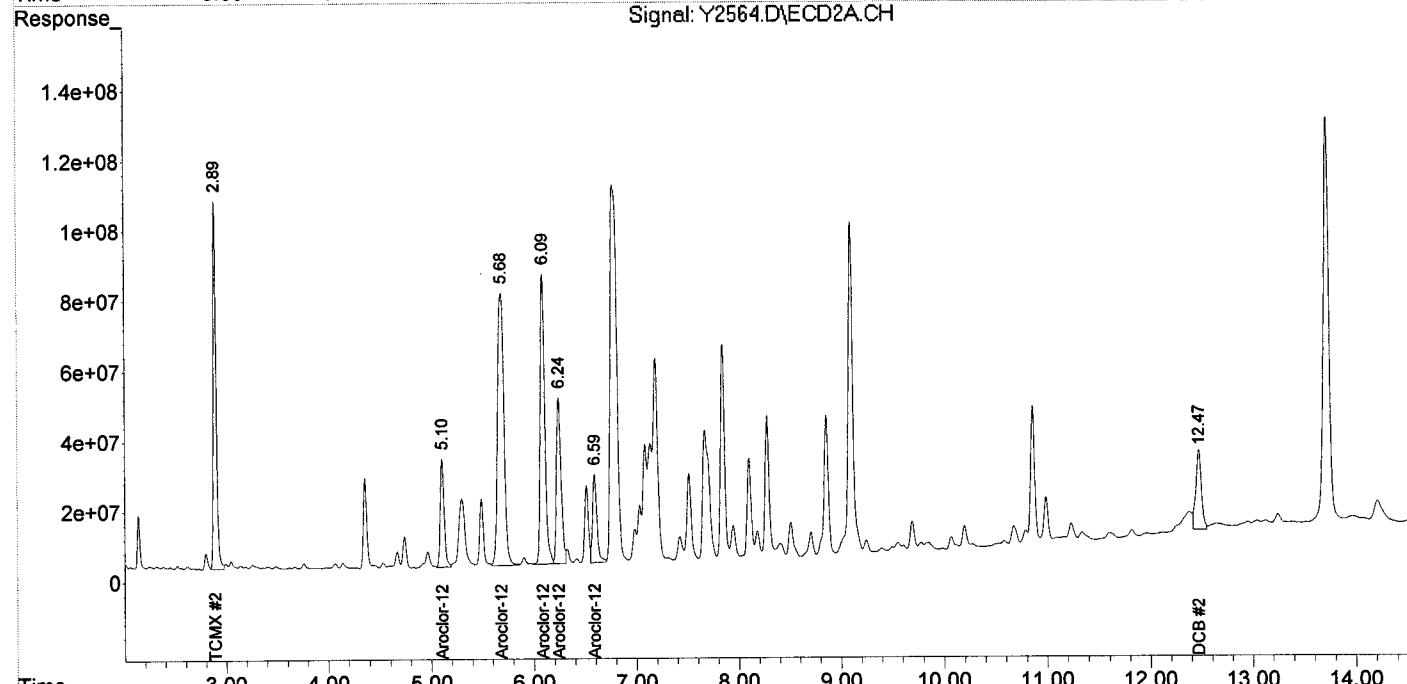
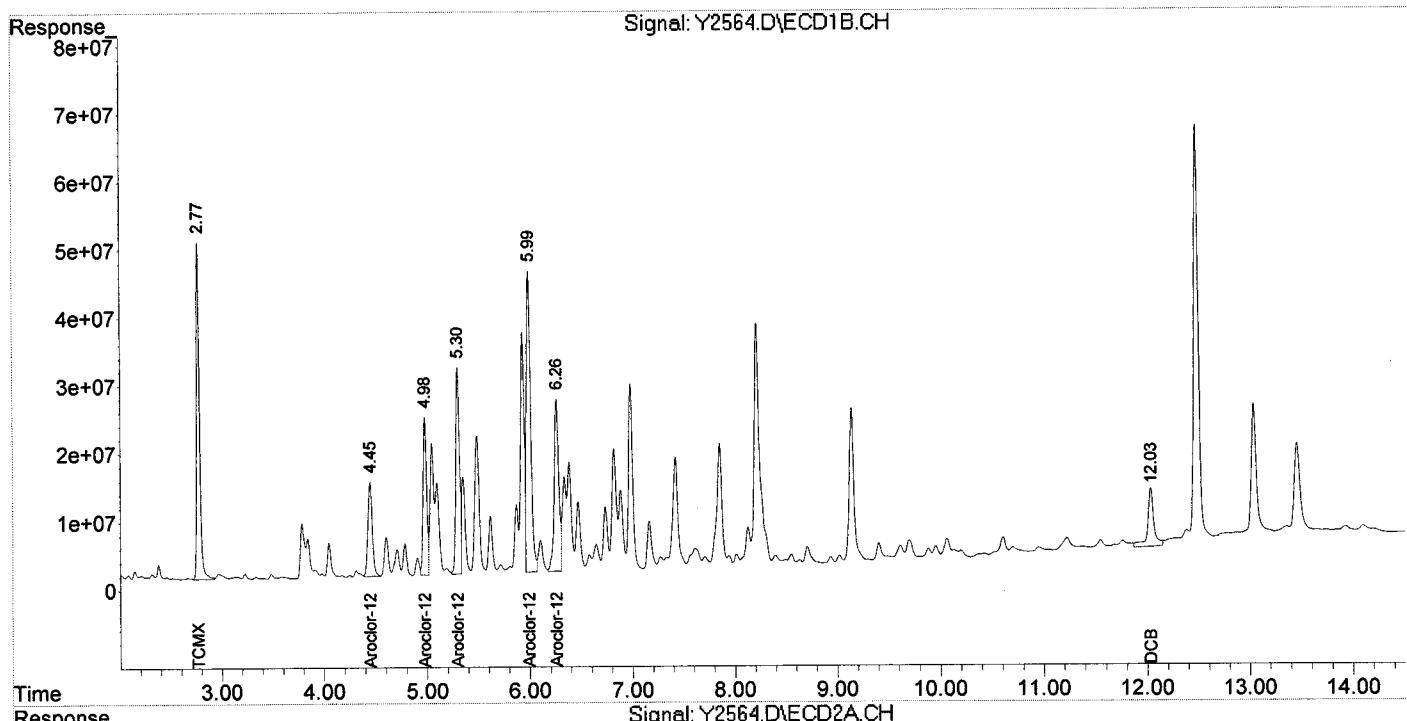
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2564.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 15:55
Operator : JS
Sample : DD-47(1.,E13-10679-004DL,S,5.65g,74.4,20
Misc : 131028-12,10/28/13,10/25/13,5
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:17:51 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2559.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 14:28
 Operator : JS
 Sample : BB-47(0-,E13-10679-005,S,5.94g,68.8,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:08:54 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4162.3E6	8742.4E6	229.329	208.866
Spiked Amount	200.000				Recovery =	114.66% 104.43%
2) S DCB	12.03	12.47	1312.1E6	3378.5E6	179.908	215.120
Spiked Amount	200.000				Recovery =	89.95% 107.56%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	289.1E6	548.6E6	282.045	220.111
24) L6 Aroclor-1248 {2}	4.98	5.68	509.4E6	2595.1E6	834.518	690.677
25) L6 Aroclor-1248 {3}	5.30	6.09	742.4E6	2340.0E6	947.481	867.386
26) L6 Aroclor-1248 {4}	5.99	6.24	1026.3E6	1068.1E6	860.061	453.115 #
27) L6 Aroclor-1248 {5}	6.26	6.59	749.0E6	531.3E6	793.786	392.906 #
Sum Aroclor-1248			3316.2E6	7083.1E6	3717.891	2624.194
Average Aroclor-1248					743.578	524.839
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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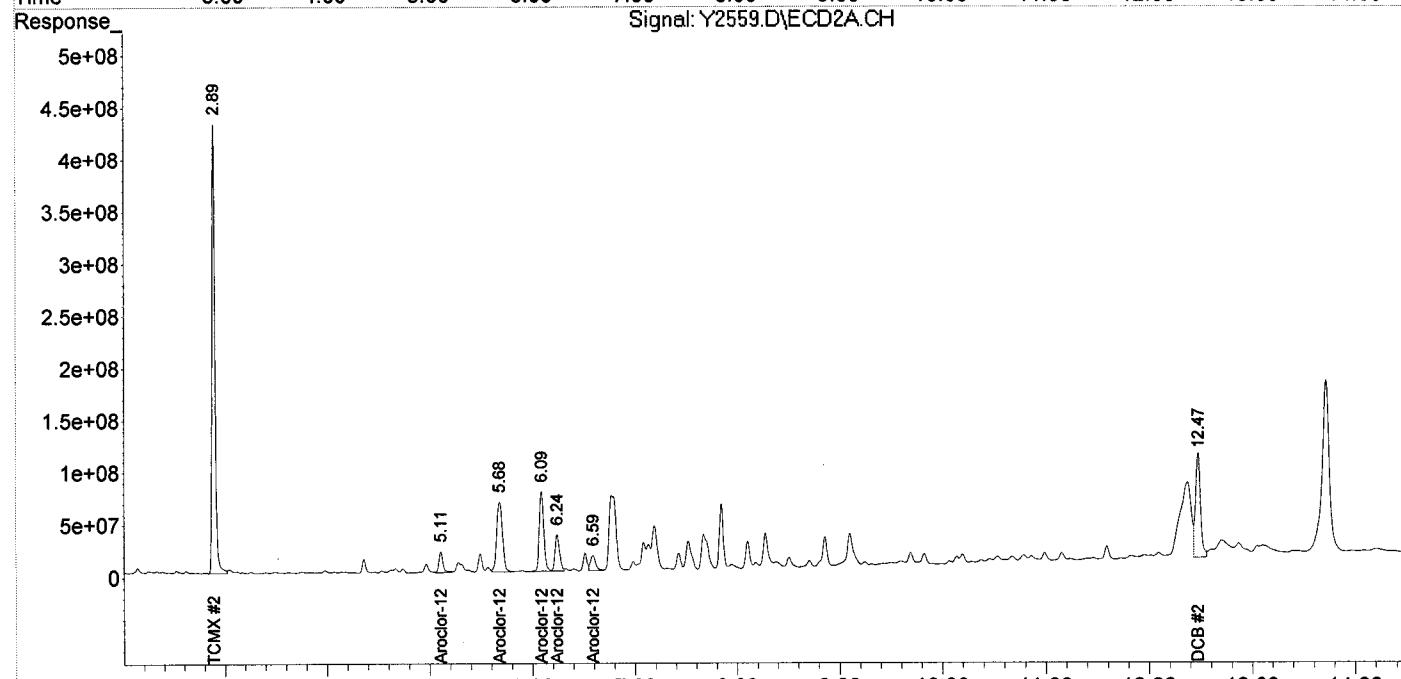
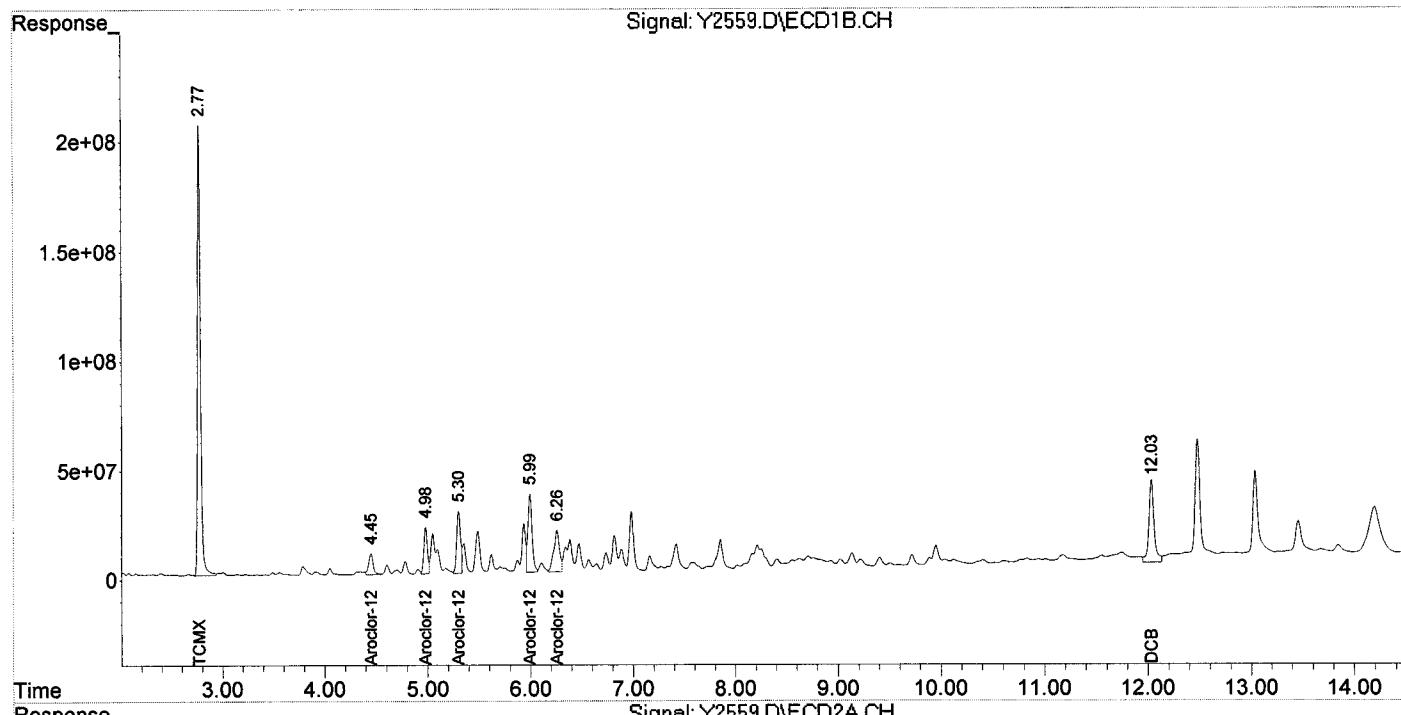
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2559.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 14:28
Operator : JS
Sample : BB-47(0-,E13-10679-005,S,5.94g,68.8,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:08:54 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2560.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 14:45
 Operator : JS
 Sample : BB-47(1.,E13-10679-006,S,5.95g,83.1,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:11:06 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4316.6E6	9770.8E6	237.830	233.434
Spiked Amount	200.000			Recovery	= 118.92%	116.72%
2) S DCB	12.03	12.47	1550.4E6	3693.5E6	212.588	235.182
Spiked Amount	200.000			Recovery	= 106.29%	117.59%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	51913326	78685148	50.653	31.572 #
24) L6 Aroclor-1248 {2}	4.98	5.69	31971037	205.3E6	52.376	54.638
25) L6 Aroclor-1248 {3}	0.00	6.09	0	209.7E6	N.D. d	77.726 #
26) L6 Aroclor-1248 {4}	5.99	6.24	73869987	94968041	61.902	40.287 #
27) L6 Aroclor-1248 {5}	6.24	6.58	52366064	64955751	55.495m	48.040
Sum Aroclor-1248			210.1E6	653.6E6	220.426	252.263
Average Aroclor-1248					55.107	50.453
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

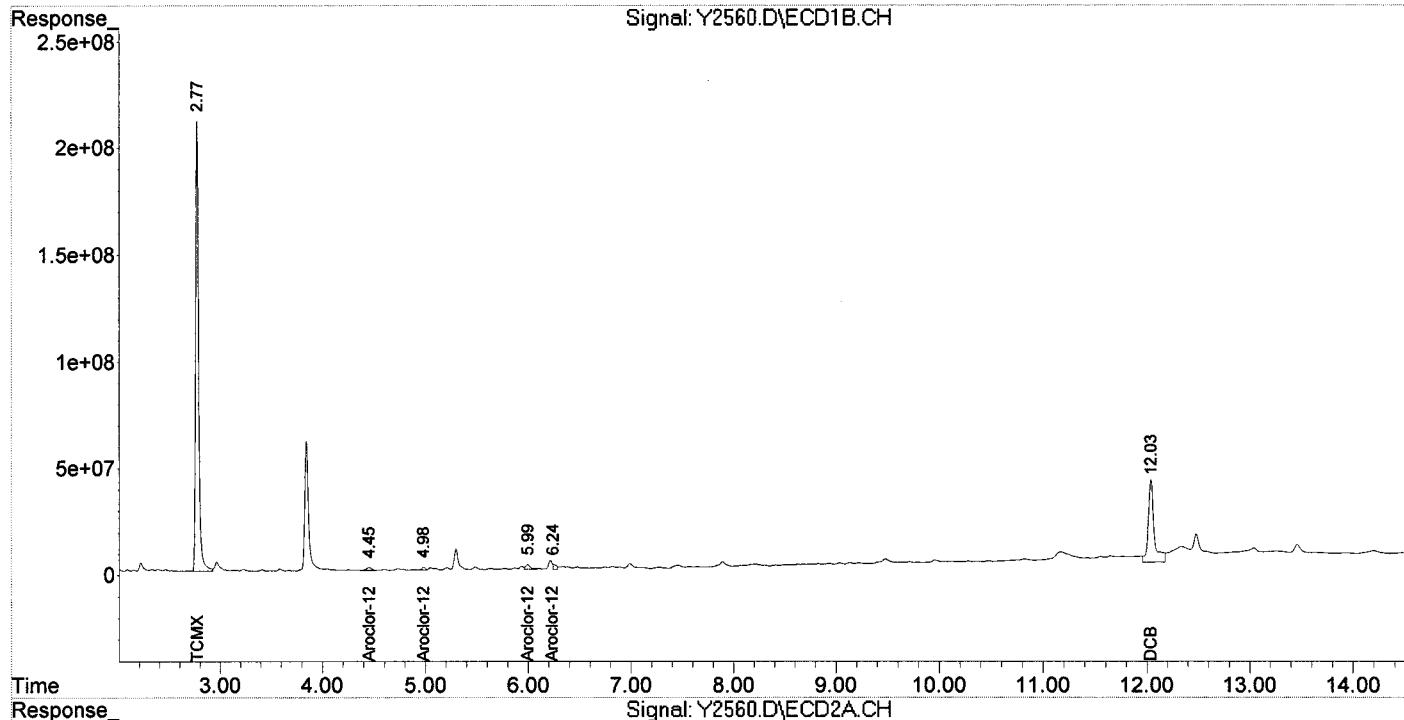
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2560.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 14:45
Operator : JS
Sample : BB-47(1.,E13-10679-006,S,5.95g,83.1,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:11:06 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2561.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 15:03
 Operator : JS
 Sample : BB-47(2.,E13-10679-007,S,5.77g,26.0,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:11:38 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3514.7E6	7383.7E6	193.645	176.405
Spiked Amount	200.000				Recovery =	96.82% 88.20%
2) S DCB	12.03	12.47	935.2E6	2432.9E6	128.223	154.911
Spiked Amount	200.000				Recovery =	64.11% 77.46%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

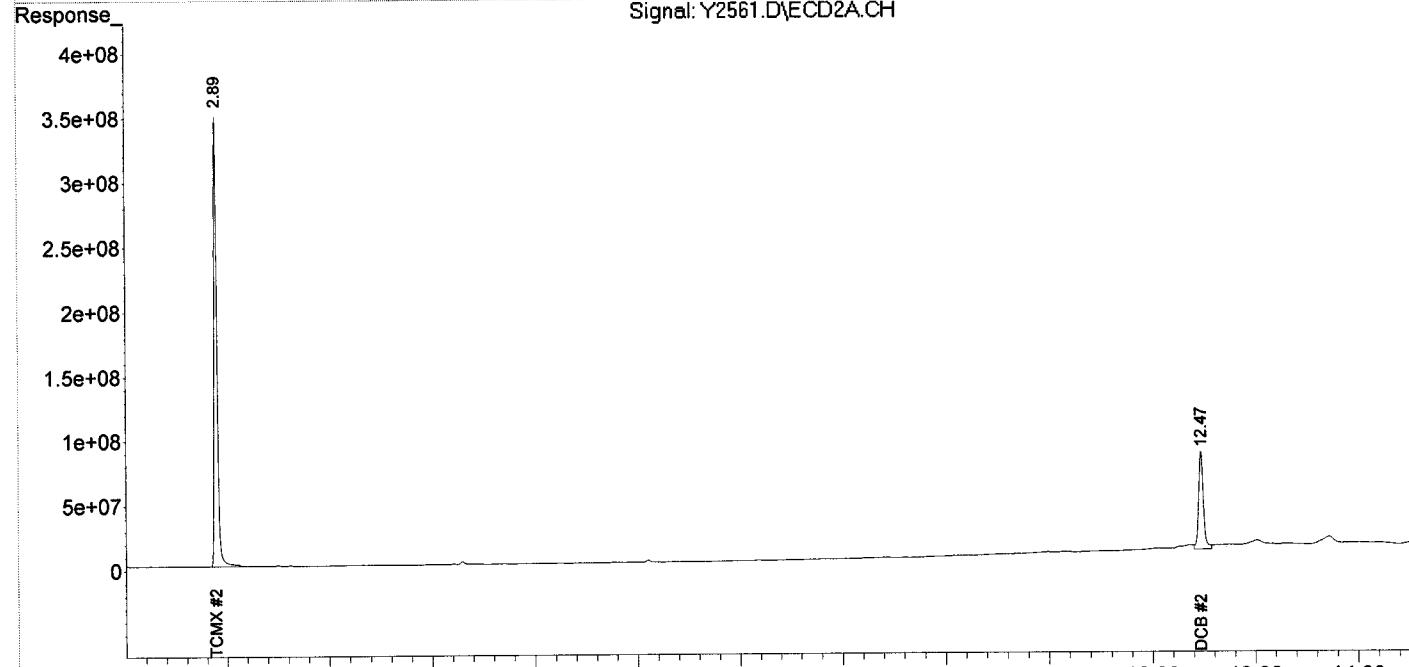
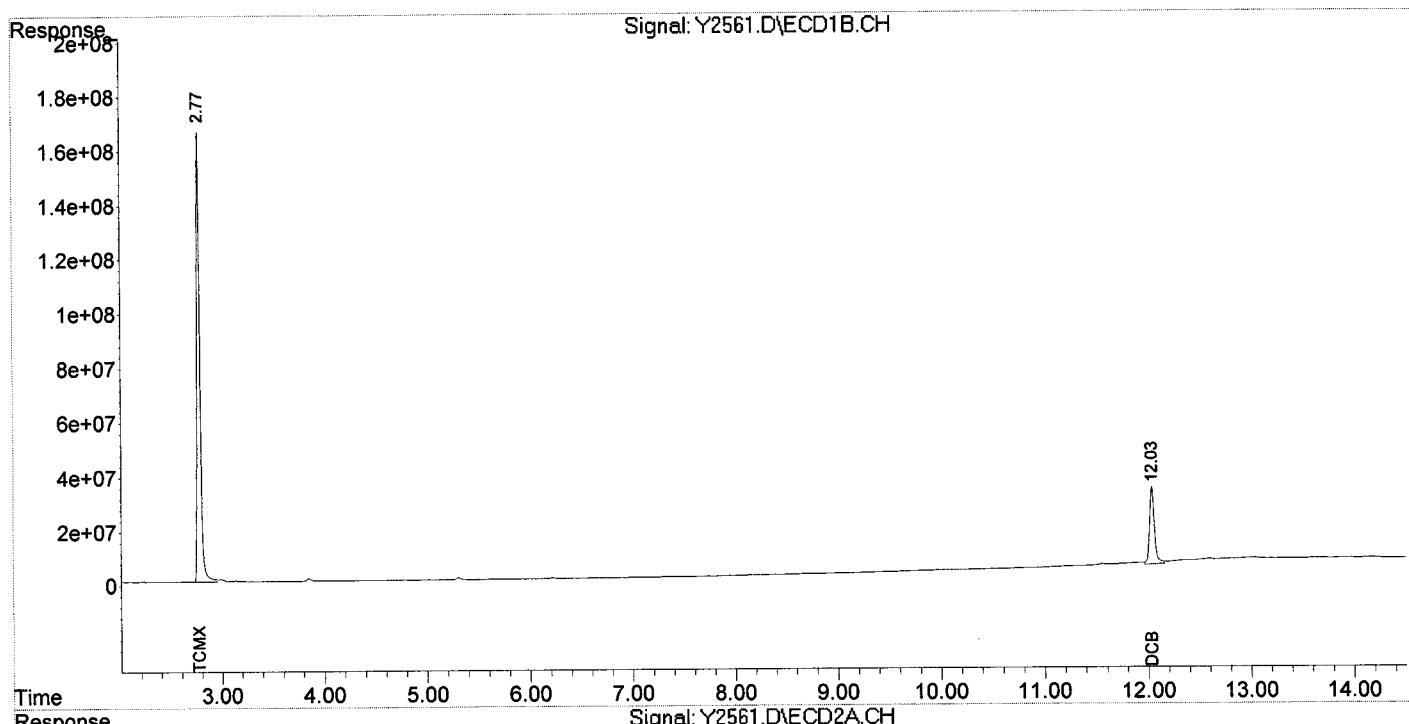
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2561.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 15:03
Operator : JS
Sample : BB-47(2.,E13-10679-007,S,5.77g,26.0,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:11:38 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2562.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 15:20
 Operator : JS
 Sample : AA-47(0-,E13-10679-008,S,5.22g,74.4,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:12:56 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4136.2E6	8695.2E6	227.892	207.737
Spiked Amount	200.000				Recovery =	113.95% 103.87%
2) S DCB	12.03	12.47	1250.7E6	3443.8E6	171.484	219.282 #
Spiked Amount	200.000				Recovery =	85.74% 109.64%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	116.6E6	247.1E6	113.746	99.129
24) L6 Aroclor-1248 {2}	4.98	5.68	239.6E6	1372.0E6	392.468	365.165
25) L6 Aroclor-1248 {3}	5.30	6.09	328.3E6	1132.7E6	418.959	419.847
26) L6 Aroclor-1248 {4}	5.99	6.24	510.1E6	522.1E6	427.494	221.500 #
27) L6 Aroclor-1248 {5}	6.26	6.59	301.0E6	237.1E6	319.020	175.376 #
Sum Aroclor-1248			1495.6E6	3511.0E6	1671.687	1281.018
Average Aroclor-1248					334.337	256.204
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

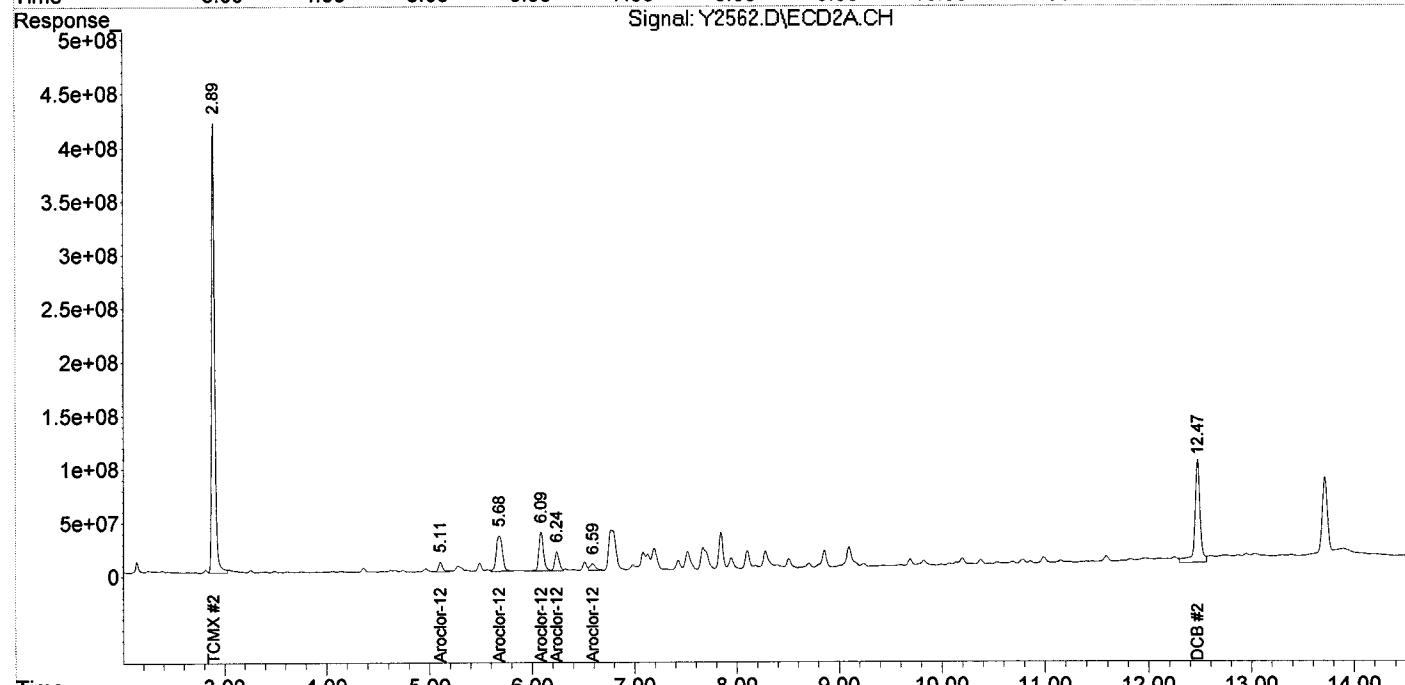
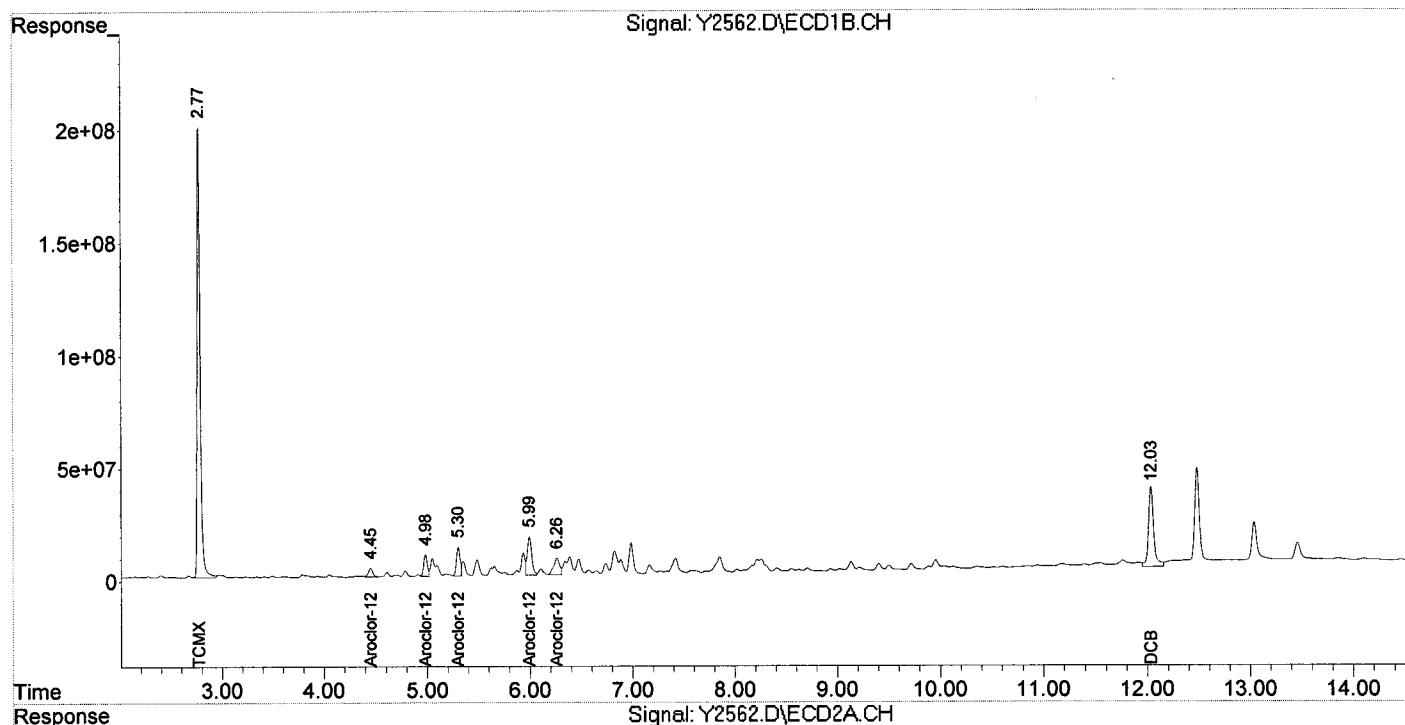
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2562.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 15:20
Operator : JS
Sample : AA-47(0-,E13-10679-008,S,5.22g,74.4,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:12:56 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2563.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 15:37
 Operator : JS
 Sample : AA-47(1.,E13-10679-009,S,5.40g,84.1,20
 Misc : 131028-12,10/28/13,10/25/13,1
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 16:14:51 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4278.4E6	9576.7E6	235.724	228.797
Spiked Amount	200.000		Recovery	=	117.86%	114.40%
2) S DCB	12.03	12.47	1385.1E6	3134.0E6	189.921	199.553
Spiked Amount	200.000		Recovery	=	94.96%	99.78%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	26797179	33364041	26.146	13.387 #
24) L6 Aroclor-1248 {2}	4.98	5.68	24571312	133.5E6	40.254	35.521
25) L6 Aroclor-1248 {3}	5.30	6.09	47740196	109.2E6	60.931	40.483 #
26) L6 Aroclor-1248 {4}	6.00	6.24	39608082	65418448	33.191	27.751
27) L6 Aroclor-1248 {5}	6.26	6.57	45087553	57350840	47.782	42.416
Sum Aroclor-1248			183.8E6	398.8E6	208.304	159.558
Average Aroclor-1248					41.661	31.912
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

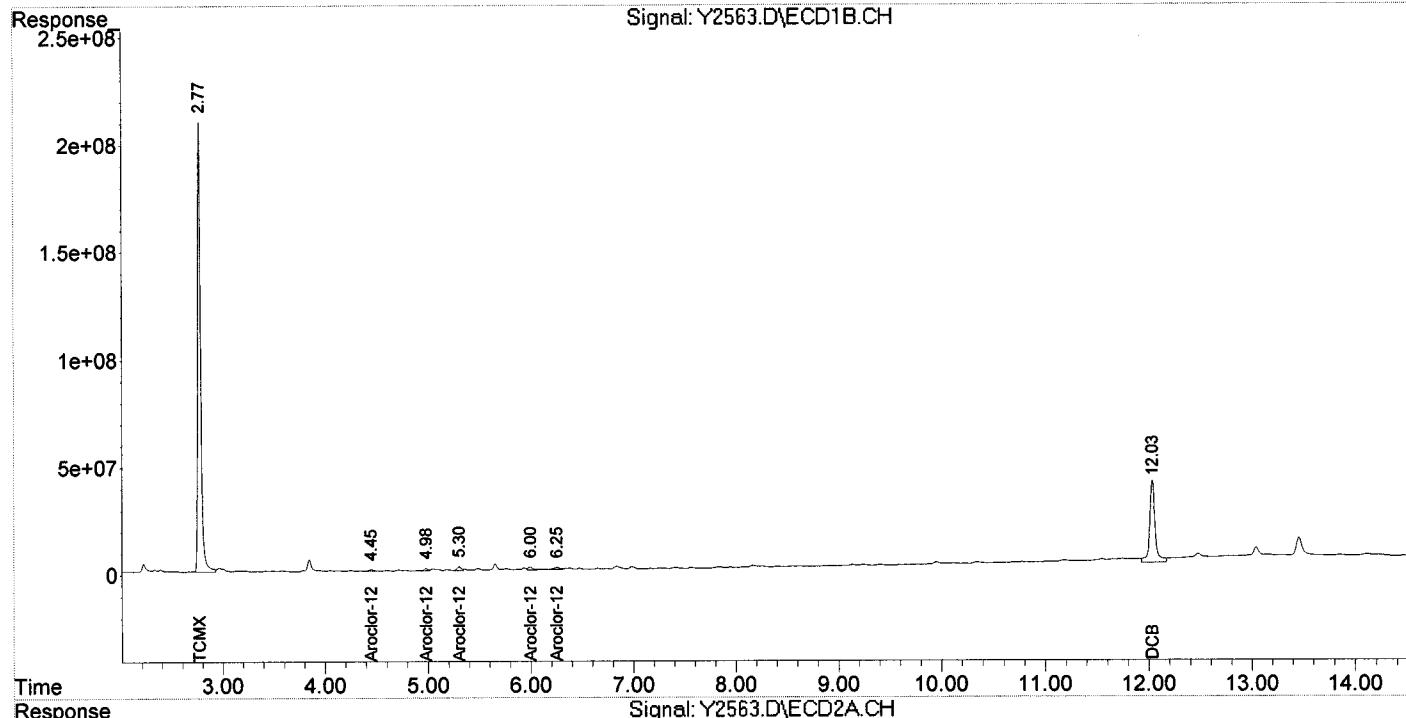
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2563.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 15:37
Operator : JS
Sample : AA-47(1.,E13-10679-009,S,5.40g,84.1,20
Misc : 131028-12,10/28/13,10/25/13,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 16:14:51 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5045.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 18:16
 Operator : NG
 Sample : AA-47(2.,E13-10679-010,S,5.62g,76.0,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 09:33:19 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

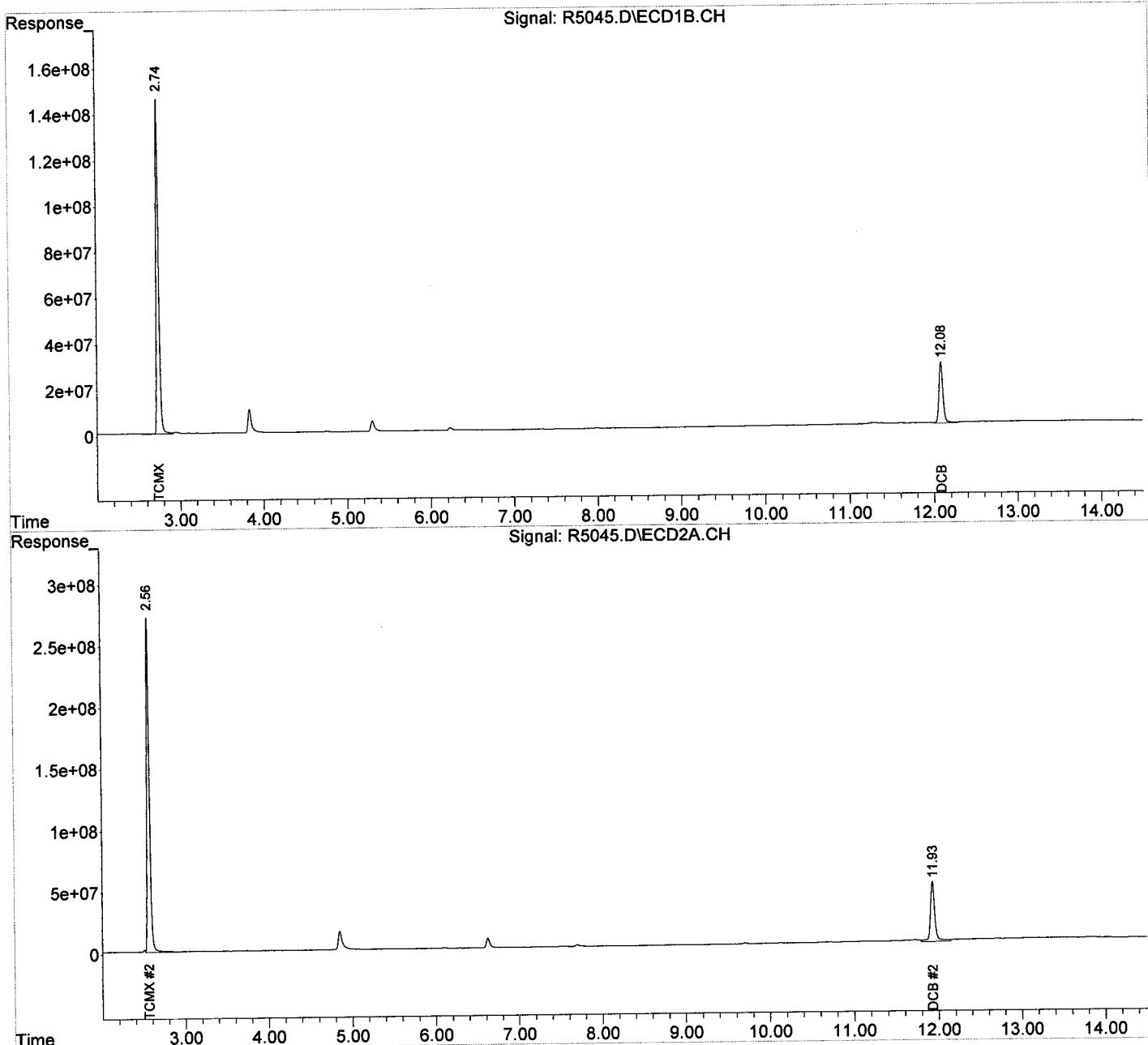
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	3093.4E6	5944.8E6	256.378	226.388
Spiked Amount	200.000			Recovery	= 128.19%	113.19%
2) S DCB	12.08	11.93	874.8E6	1770.2E6	221.795	213.693
Spiked Amount	200.000			Recovery	= 110.90%	106.85%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5045.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 18:16
Operator : NG
Sample : AA-47(2.,E13-10679-010,S,5.62g,76.0,20
Misc : 131029-04,10/29/13,10/25/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 09:33:19 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5046.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 18:33
 Operator : NG
 Sample : AA-47(3.,E13-10679-011,S,5.40g,23.7,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 09:34:14 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

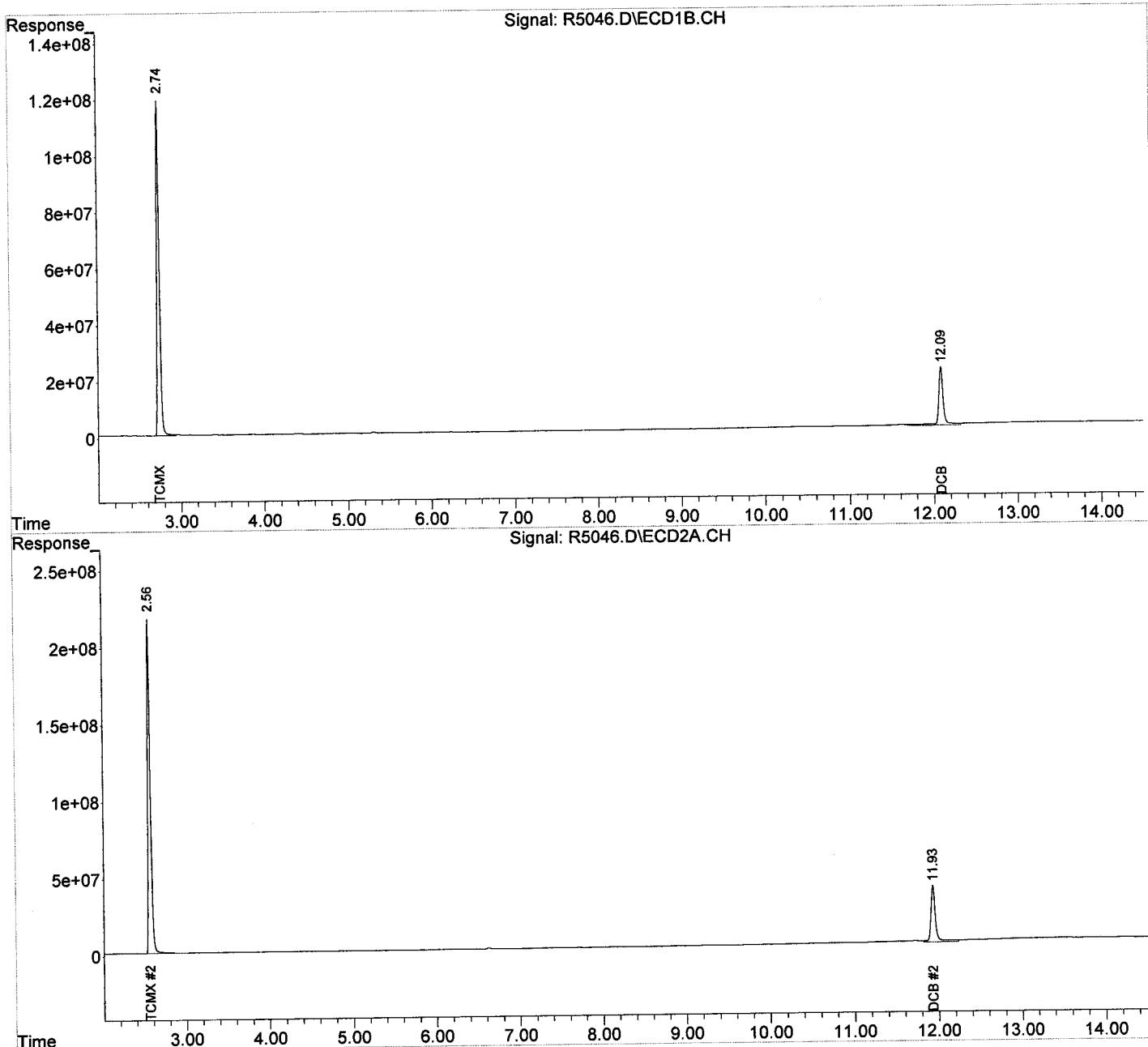
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2544.8E6	4814.3E6	210.911	183.338
Spiked Amount	200.000			Recovery	=	105.46% 91.67%
2) S DCB	12.09	11.93	828.8E6	1405.2E6	210.128	169.630
Spiked Amount	200.000			Recovery	=	105.06% 84.81%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5046.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 18:33
Operator : NG
Sample : AA-47(3.,E13-10679-011,S,5.40g,23.7,20
Misc : 131029-04,10/29/13,10/25/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 09:34:14 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5047.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 18:51
 Operator : NG
 Sample : U-45R(2.,E13-10679-012,S,5.87g,30.7,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 10:40:04 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2626.0E6	4965.0E6	217.642	189.075
Spiked Amount	200.000			Recovery	= 108.82%	94.54%
2) S DCB	12.08	11.93	725.1E6	1320.3E6	183.837	159.382
Spiked Amount	200.000			Recovery	= 91.92%	79.69%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	7986546	16058987	12.248	11.408
24) L6 Aroclor-1248	{2}	4.98	5.21	5435693	33344360	14.479
25) L6 Aroclor-1248	{3}	5.30	5.60	11100089	22158140	22.553m
26) L6 Aroclor-1248	{4}	6.00	5.75	13918904	15626919	16.973
27) L6 Aroclor-1248	{5}	6.25	6.10	9956819	9884598	17.807m
Sum Aroclor-1248				48398052	97073004	84.060
Average Aroclor-1248						66.623
					16.812	13.325
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
34) L8 Aroclor-1260	{2}	8.97	7.59	2555725	11086622	6.549
35) L8 Aroclor-1260	{3}	9.45	9.17	6233076	9022656	6.269
36) L8 Aroclor-1260	{4}	9.94	9.68	2040480	20410010	4.149
37) L8 Aroclor-1260	{5}	11.00	10.26	2046379	10542309	8.429
Sum Aroclor-1260				12875660	51061598	25.396
Average Aroclor-1260						33.320
					6.349	8.330
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5047.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 18:51
Operator : NG
Sample : U-45R(2.,E13-10679-012,S,5.87g,30.7,20
Misc : 131029-04,10/29/13,10/25/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 10:40:04 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

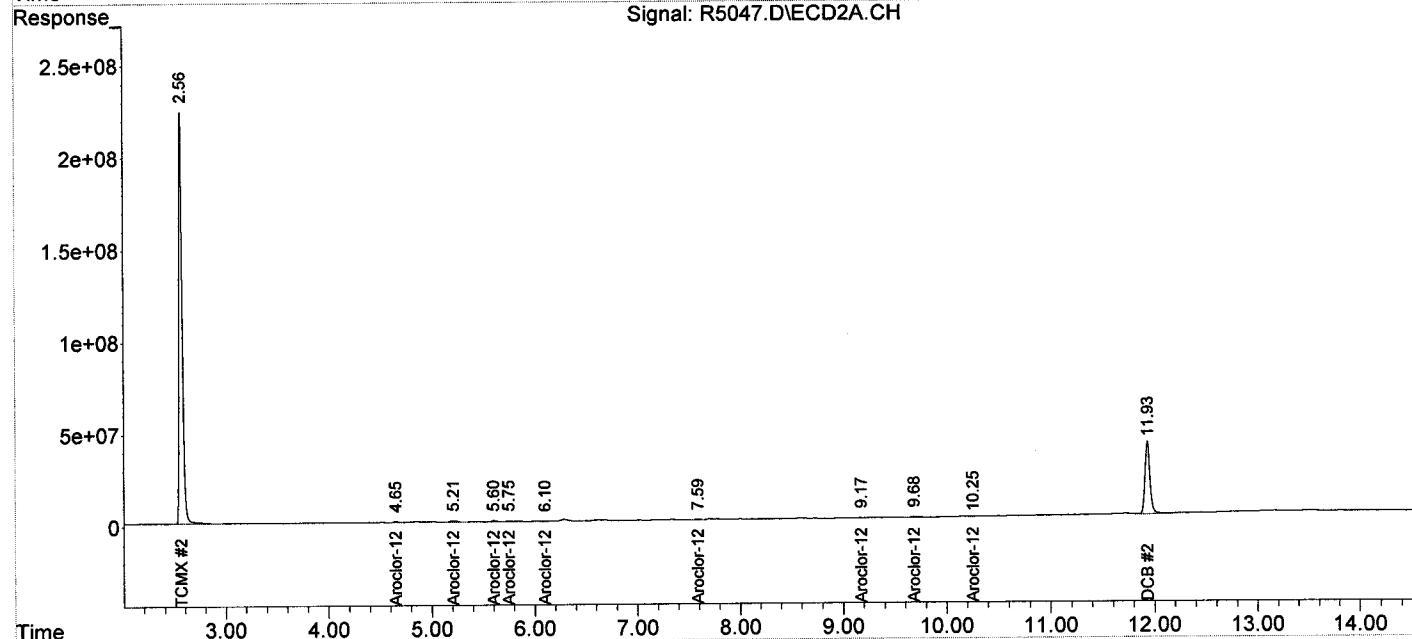
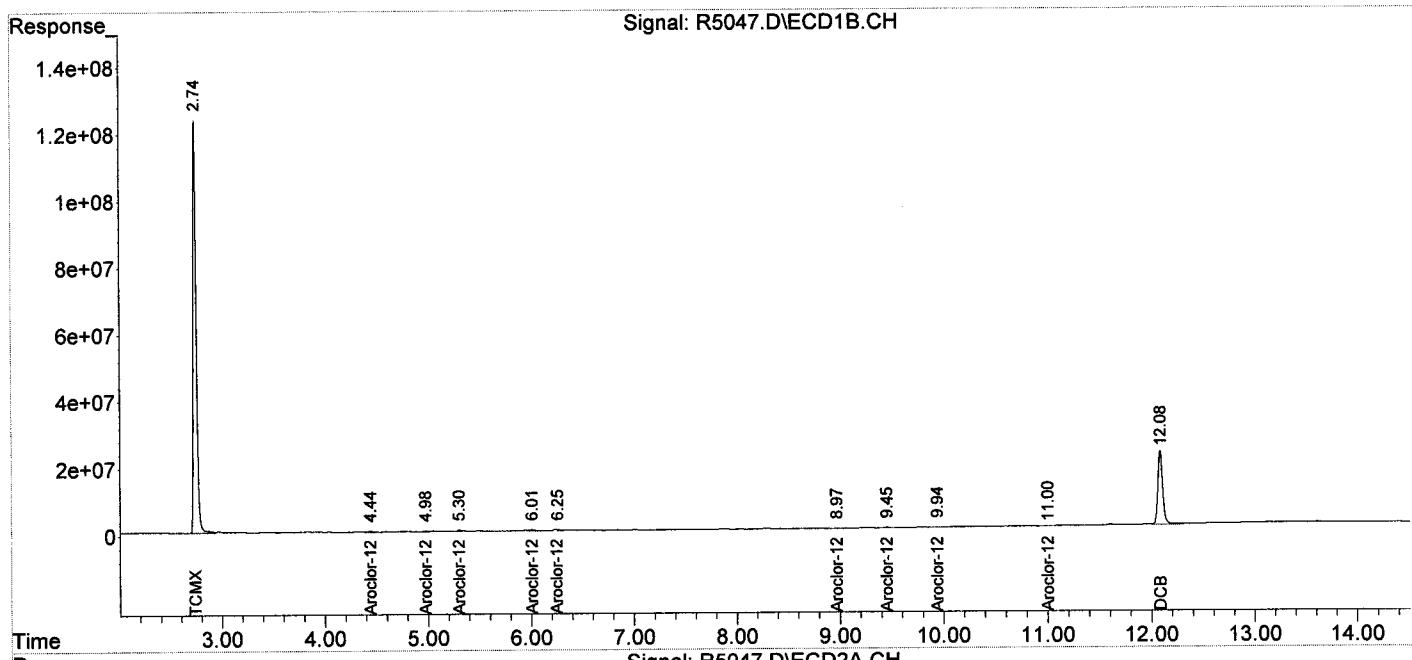
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5047.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 18:51
Operator : NG
Sample : U-45R(2.,E13-10679-012,S,5.87g,30.7,20
Misc : 131029-04,10/29/13,10/25/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 10:40:04 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5048.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 19:08
 Operator : NG
 Sample : U-45R(3.,E13-10679-013,S,5.42g,23.3,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 09:39:59 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

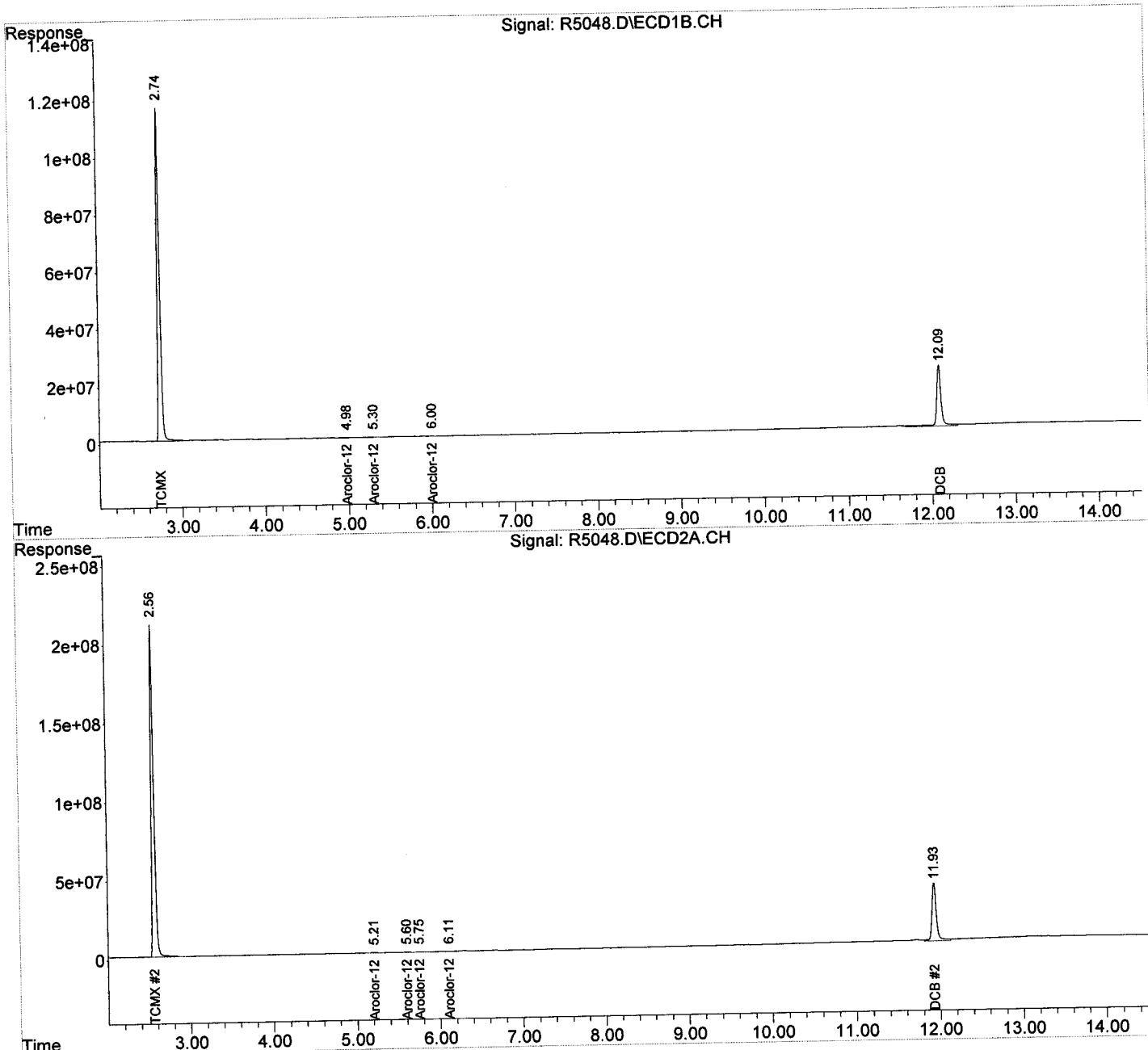
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1) S	TCMX	2.74	2.56	2530.2E6	4747.7E6	209.706	180.799
Spiked Amount	200.000			Recovery	=	104.85%	90.40%
2) S	DCB	12.09	11.93	816.9E6	1361.8E6	207.101	164.389
Spiked Amount	200.000			Recovery	=	103.55%	82.19%
<hr/>							
System Monitoring Compounds							
24) L6	Aroclor-1248 {2}	4.98	5.21	1664280	10571350	4.433	4.974
25) L6	Aroclor-1248 {3}	5.30	5.60	3997963	6819107	8.123	4.499m#
26) L6	Aroclor-1248 {4}	6.00	5.75	3824738	5748213	4.664	4.210m
27) L6	Aroclor-1248 {5}	0.00	6.10	0	4288112	N.D. d	5.840 #
Sum Aroclor-1248				9486981	27426783	17.220	19.523
Average Aroclor-1248						5.740	4.881
Sum Aroclor-1254				0	0	N.D.	N.D.
Average Aroclor-1254						0.000	0.000
Sum Aroclor-1260				0	0	N.D.	N.D.
Average Aroclor-1260						0.000	0.000
Sum Aroclor-1262				0	0	N.D.	N.D.
Average Aroclor-1262						0.000	0.000
Sum Aroclor-1268				0	0	N.D.	N.D.
Average Aroclor-1268						0.000	0.000
<hr/>							

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5048.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 19:08
 Operator : NG
 Sample : U-45R(3.,E13-10679-013,S,5.42g,23.3,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 09:39:59 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5049.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 19:26
 Operator : NG
 Sample : U-45N(1),E13-10679-014,S,5.61g,25.7,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 09:40:25 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

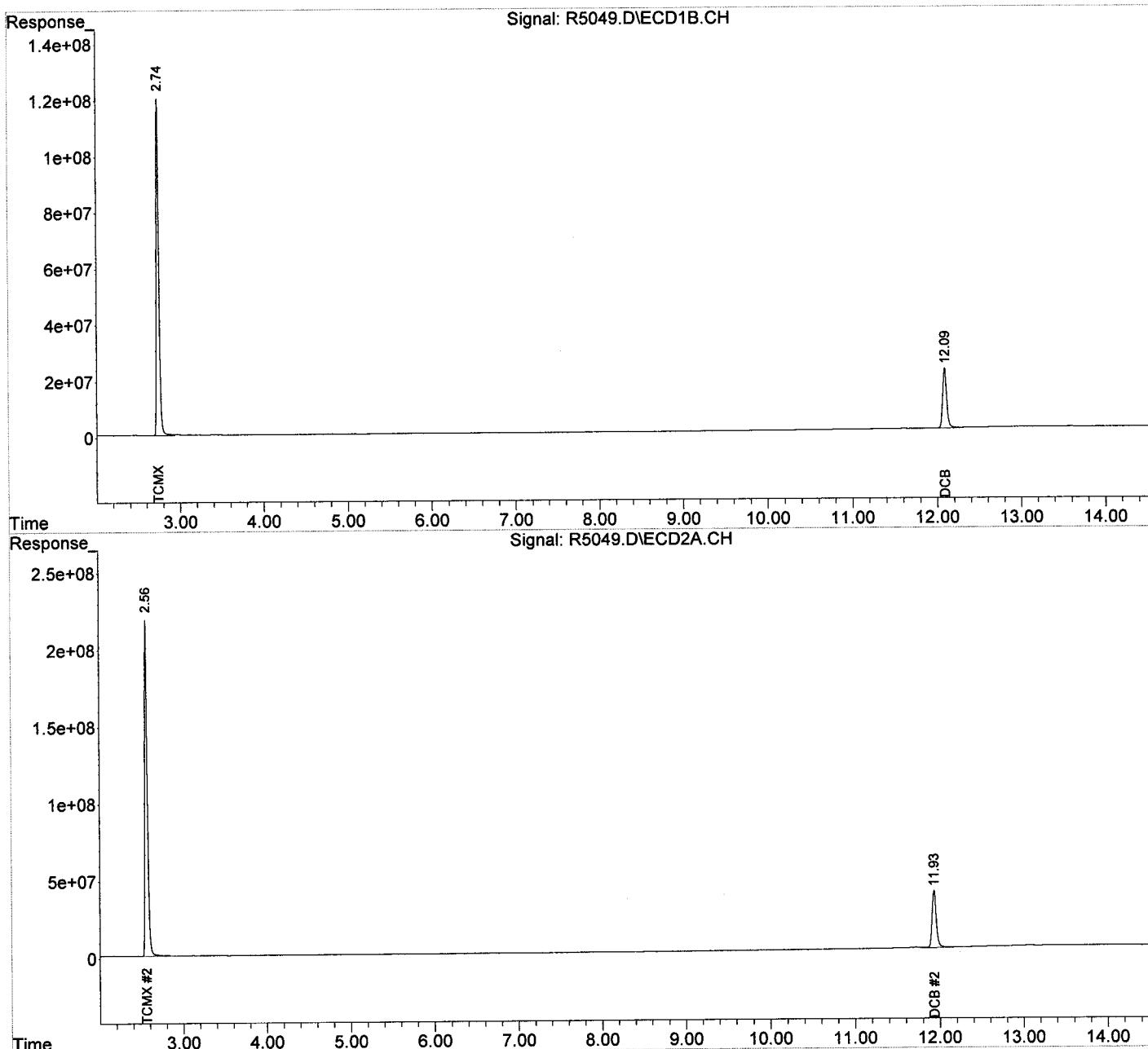
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2517.1E6	4747.0E6	208.618	180.775
Spiked Amount	200.000			Recovery	=	104.31% 90.39%
2) S DCB	12.09	11.93	716.8E6	1287.7E6	181.735	155.445
Spiked Amount	200.000			Recovery	=	90.87% 77.72%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5049.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 19:26
Operator : NG
Sample : U-45N(1),E13-10679-014,S,5.61g,25.7,20
Misc : 131029-04,10/29/13,10/25/13,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 09:40:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5050.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 19:43
 Operator : NG
 Sample : T-45(4.0,E13-10679-015,S,5.96g,31.5,20
 Misc : 131029-04,10/29/13,10/25/13,1
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 30 09:42:11 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

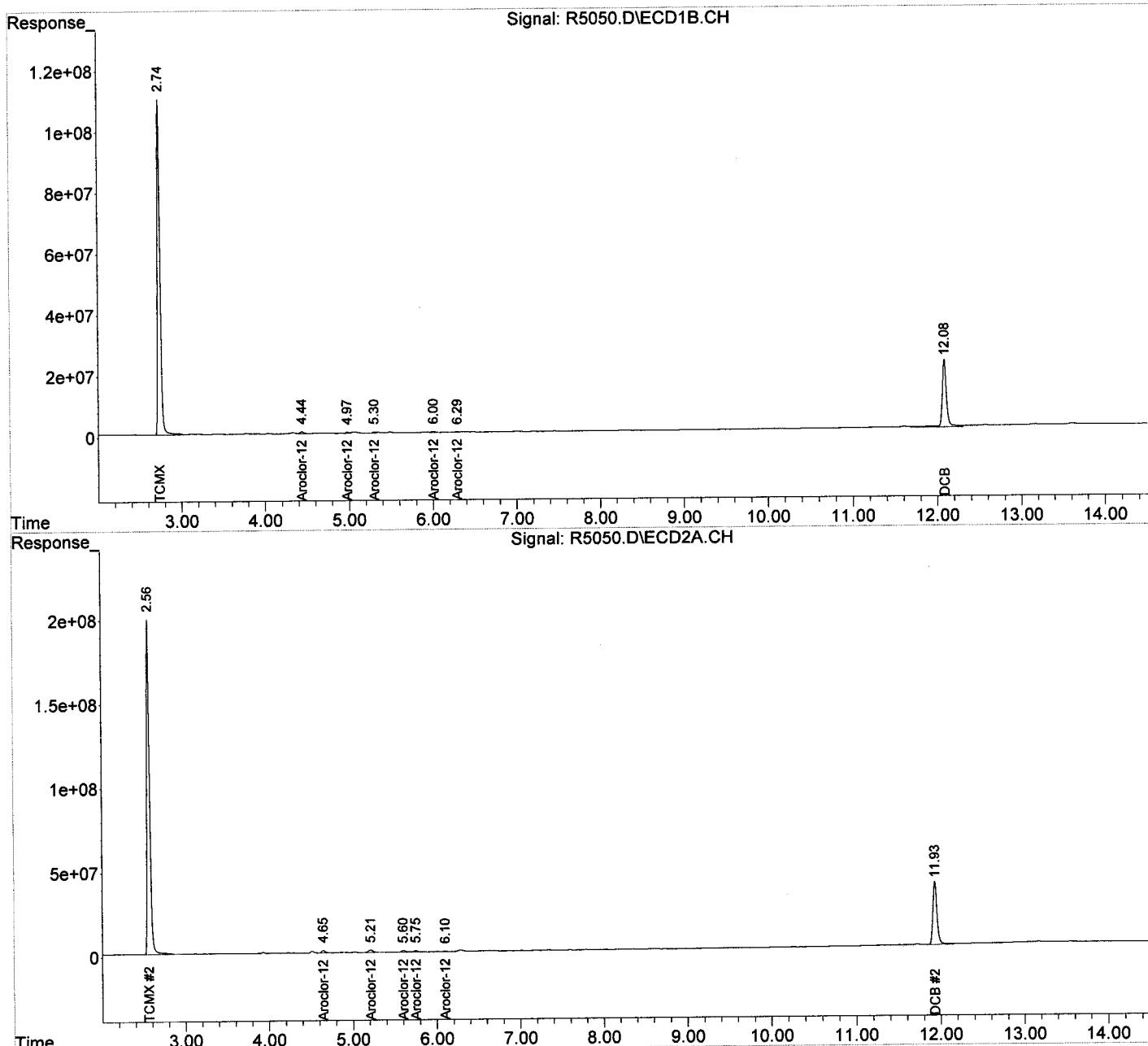
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2506.7E6	4701.2E6	207.752	179.028
Spiked Amount	200.000			Recovery	= 103.88%	89.51%
2) S DCB	12.09	11.93	805.1E6	1281.8E6	204.113	154.732
Spiked Amount	200.000			Recovery	= 102.06%	77.37%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	21118198	42591154	32.386	30.257
24) L6 Aroclor-1248 {2}	4.98	5.21	8895973	58729765	23.696	27.633
25) L6 Aroclor-1248 {3}	5.30	5.60	8970598	30778754	18.227	20.308
26) L6 Aroclor-1248 {4}	6.00	5.75	12087979	25280331	14.740	18.514 #
27) L6 Aroclor-1248 {5}	6.29	6.10	7427559	10269955	13.283	13.986
Sum Aroclor-1248			58500306	167.6E6	102.333	110.698
Average Aroclor-1248					20.467	22.140
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5050.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 19:43
Operator : NG
Sample : T-45(4.0,E13-10679-015,S,5.96g,31.5,20
Misc : 131029-04,10/29/13,10/25/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 30 09:42:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
 Data File : Y2699.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 18:28
 Operator : NG
 Sample : FB-26,E13-10679-016,A,1000ml,100,5
 Misc : 131101-10,11/01/13,10/25/13,1
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 04 10:30:34 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	2892.3E6	6094.7E6	159.357	145.609
Spiked Amount	200.000				Recovery =	79.68% 72.80%
2) S DCB	12.03	12.47	684.2E6	1970.5E6	93.814	125.467 #
Spiked Amount	200.000				Recovery =	46.91% 62.73%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

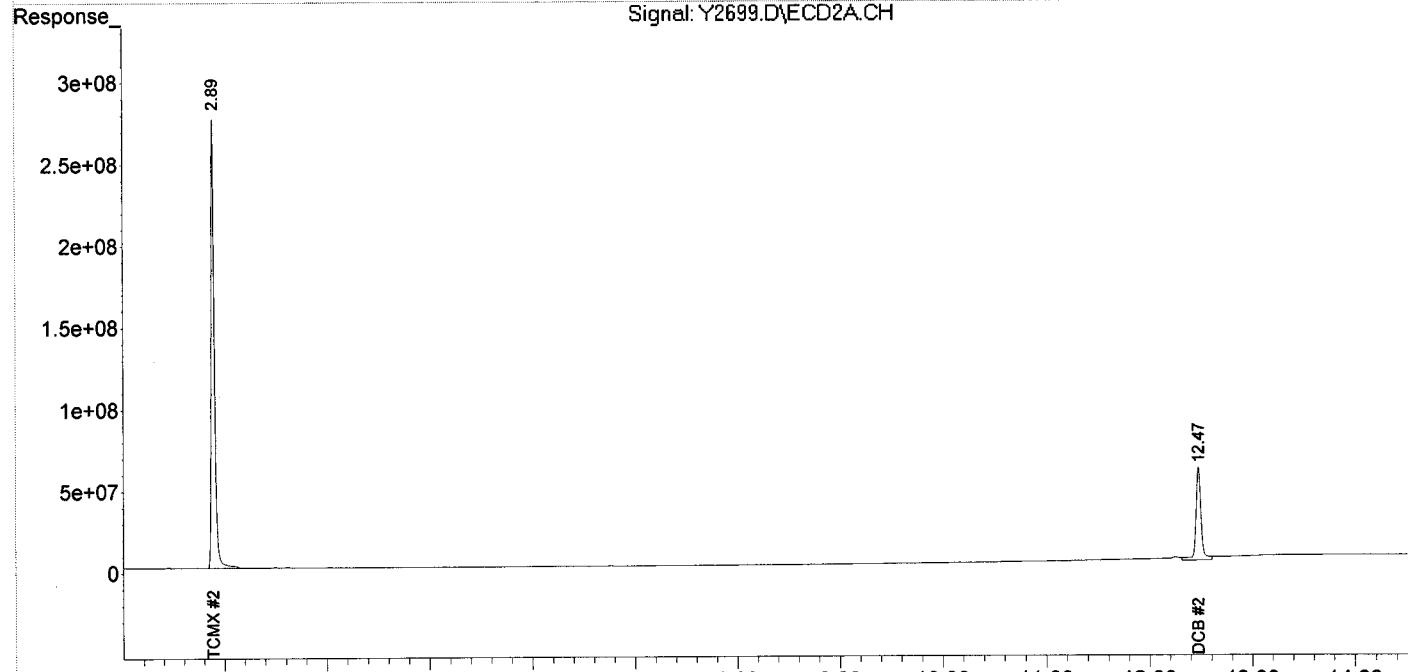
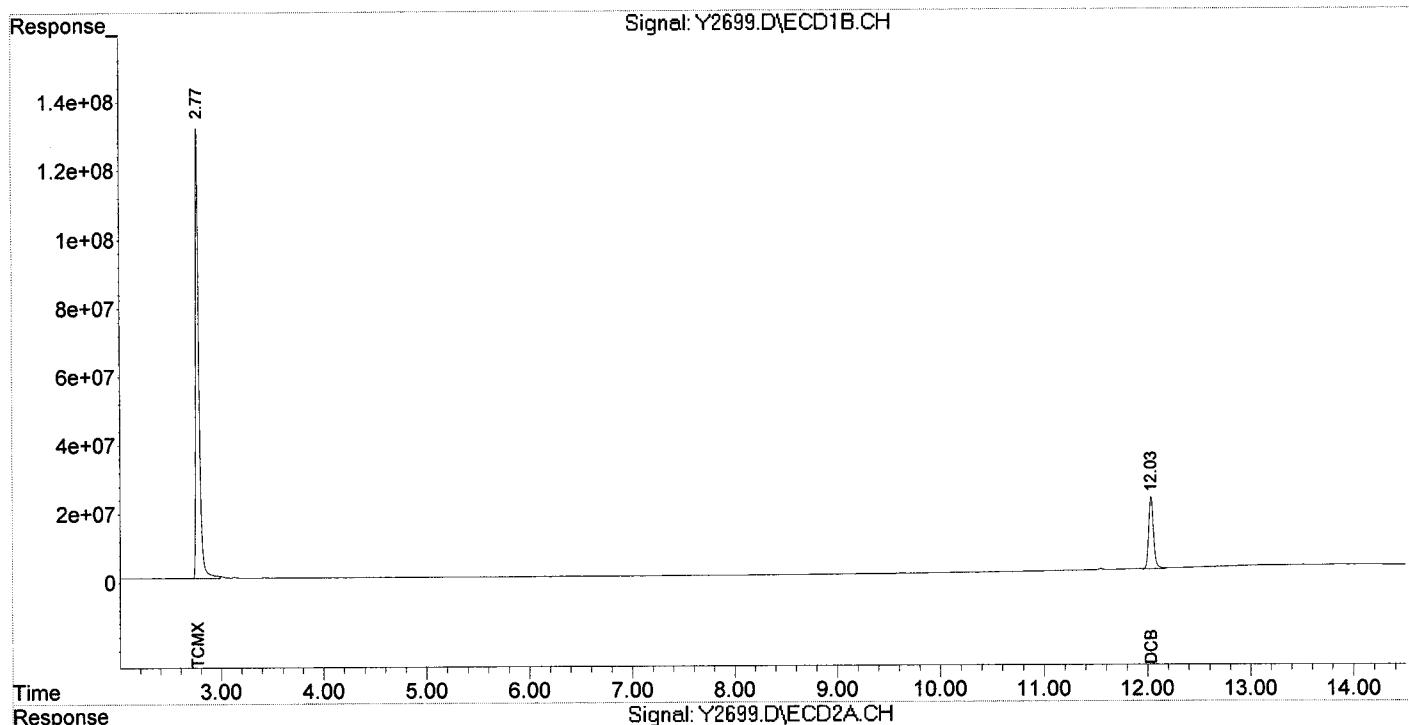
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
Data File : Y2699.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 18:28
Operator : NG
Sample : FB-26,E13-10679-016,A,1000ml,100,5
Misc : 131101-10,11/01/13,10/25/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 04 10:30:34 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA131021-17

Client ID: PCB

Date Received: NA

Date Extracted: 10/21/2013

Date Analyzed: 10/22/2013

Data file: Y2409.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- μ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA131101-10

Client ID: PCB

Date Received: NA

Date Extracted: 11/01/2013

Date Analyzed: 11/01/2013

Data file: Y2696.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- μ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-13\
 Data File : Y2409.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 22 Oct 2013 21:25
 Operator : NG
 Sample : PCB.BLKA131021-17,A,1000ml,100.5
 Misc : NA,NA,NA,1
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 23 10:27:23 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :

Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3254.0E6	6959.8E6	176.250	189.516
Spiked Amount	200.000			Recovery	= 88.13%	94.76%
2) S DCB	12.04	12.48	976.4E6	2314.3E6	158.429	179.170
Spiked Amount	200.000			Recovery	= 79.21%	89.58%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

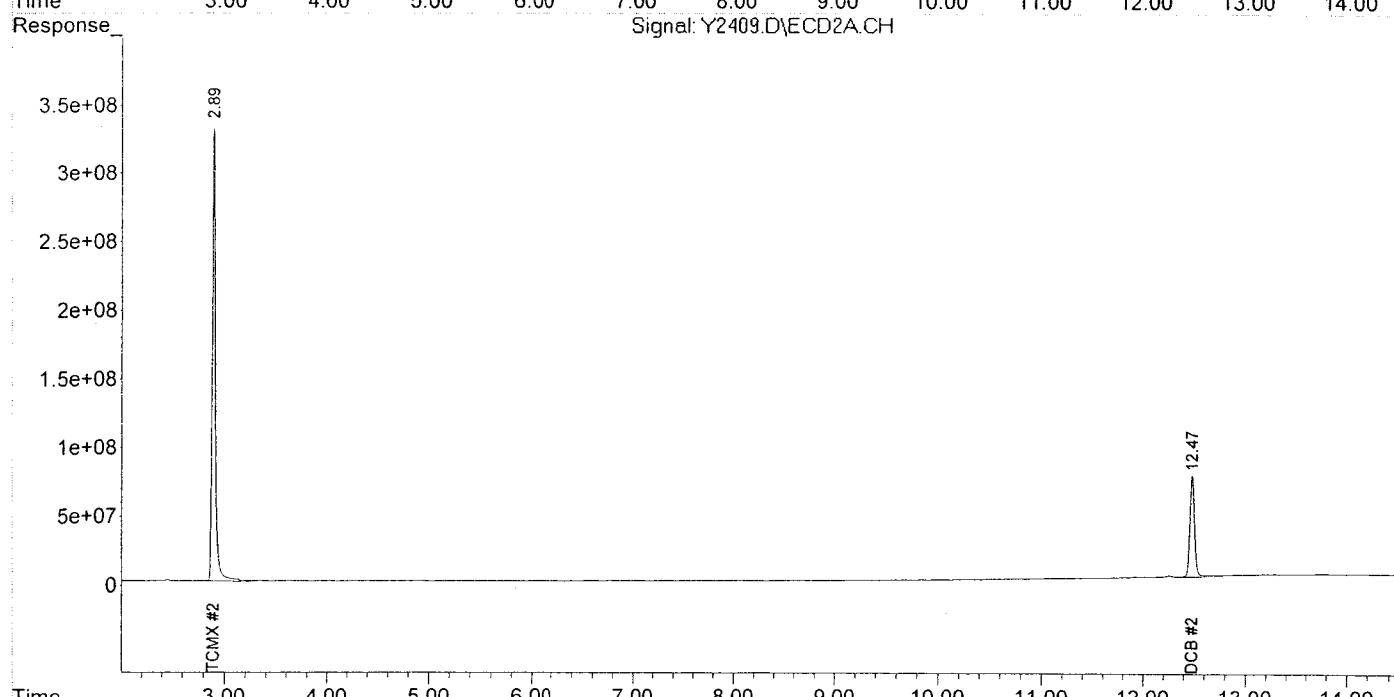
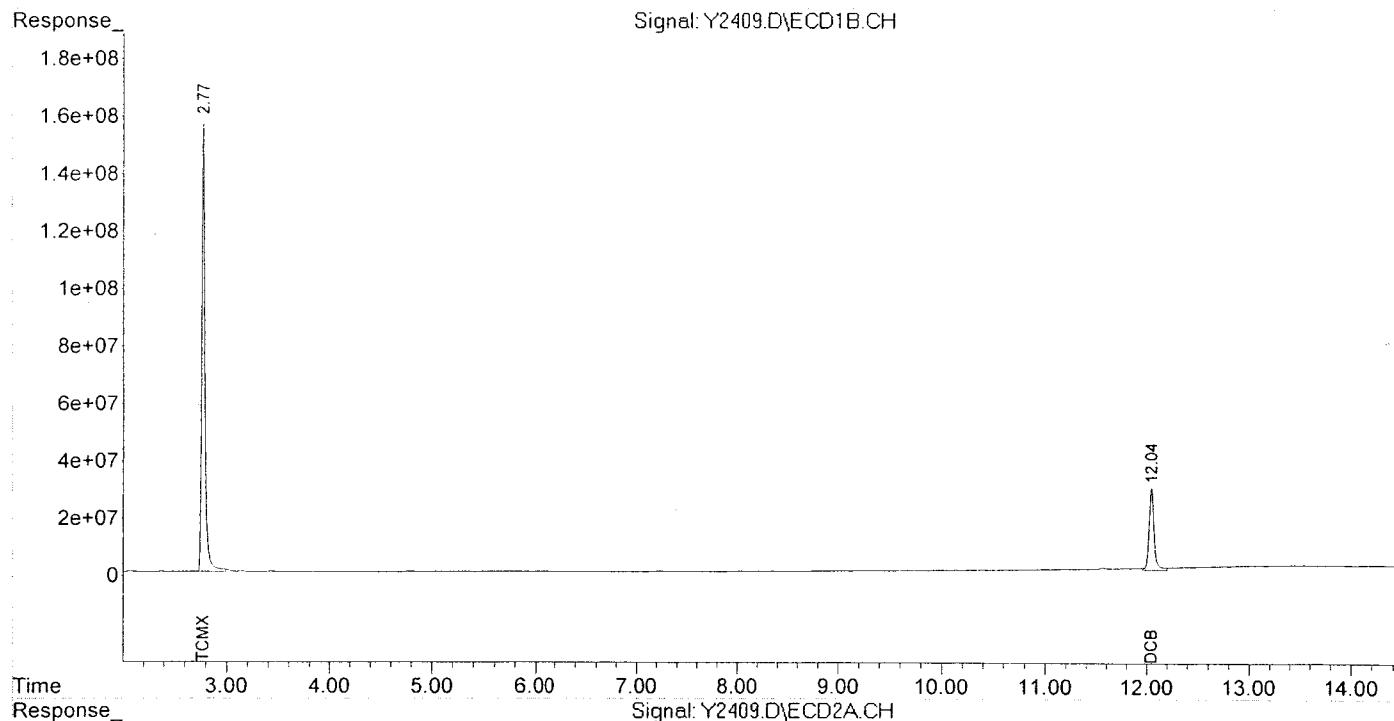
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-13\
Data File : Y2409.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 22 Oct 2013 21:25
Operator : NG
Sample : PCB.BLKA131021-17,A,1000ml,100,5
Misc : NA,NA,NA,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 23 10:27:23 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
 Data File : Y2696.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 17:36
 Operator : NG
 Sample : PCB.BLKA131101-10.A,1000ml,100,5
 Misc : NA,11/01/13,NA,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 04 10:28:42 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3198.3E6	6701.3E6	176.217	160.102
Spiked Amount	200.000			Recovery	= 88.11%	80.05%
2) S DCB	12.03	12.47	756.9E6	1960.2E6	103.787	124.815
Spiked Amount	200.000			Recovery	= 51.89%	62.41%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

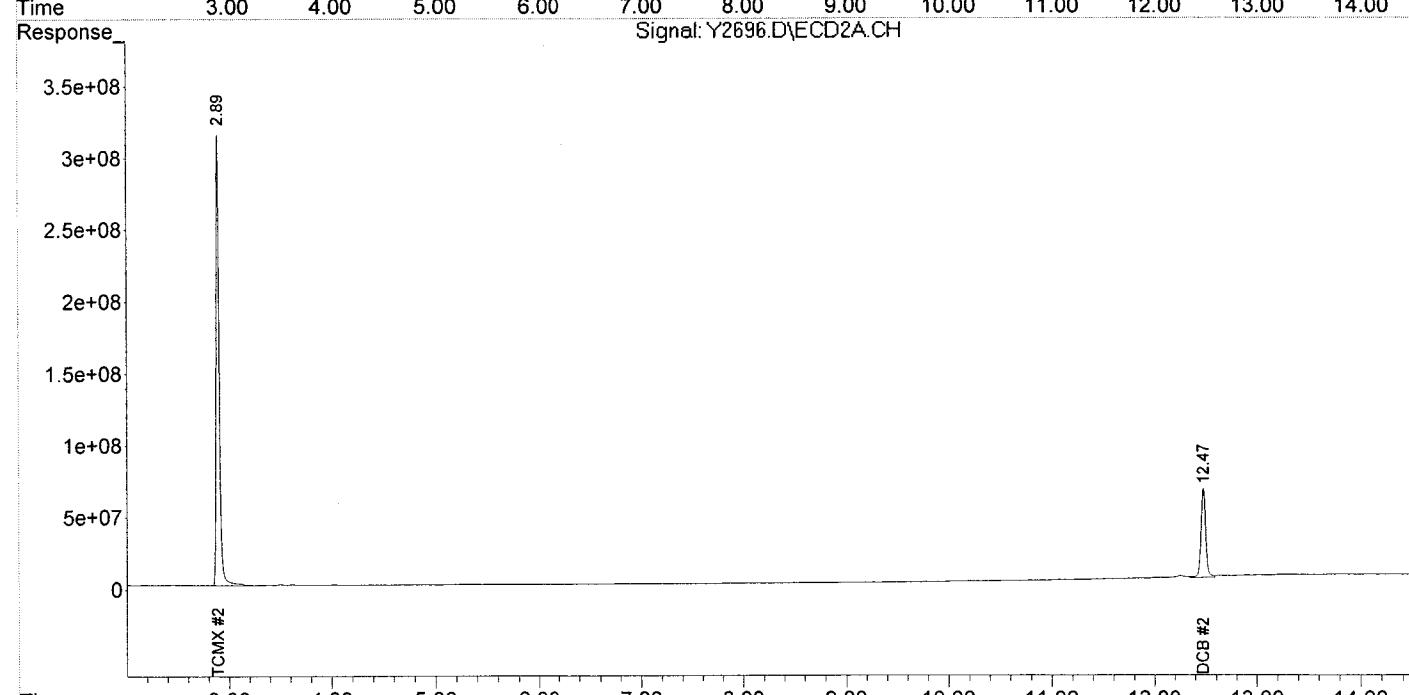
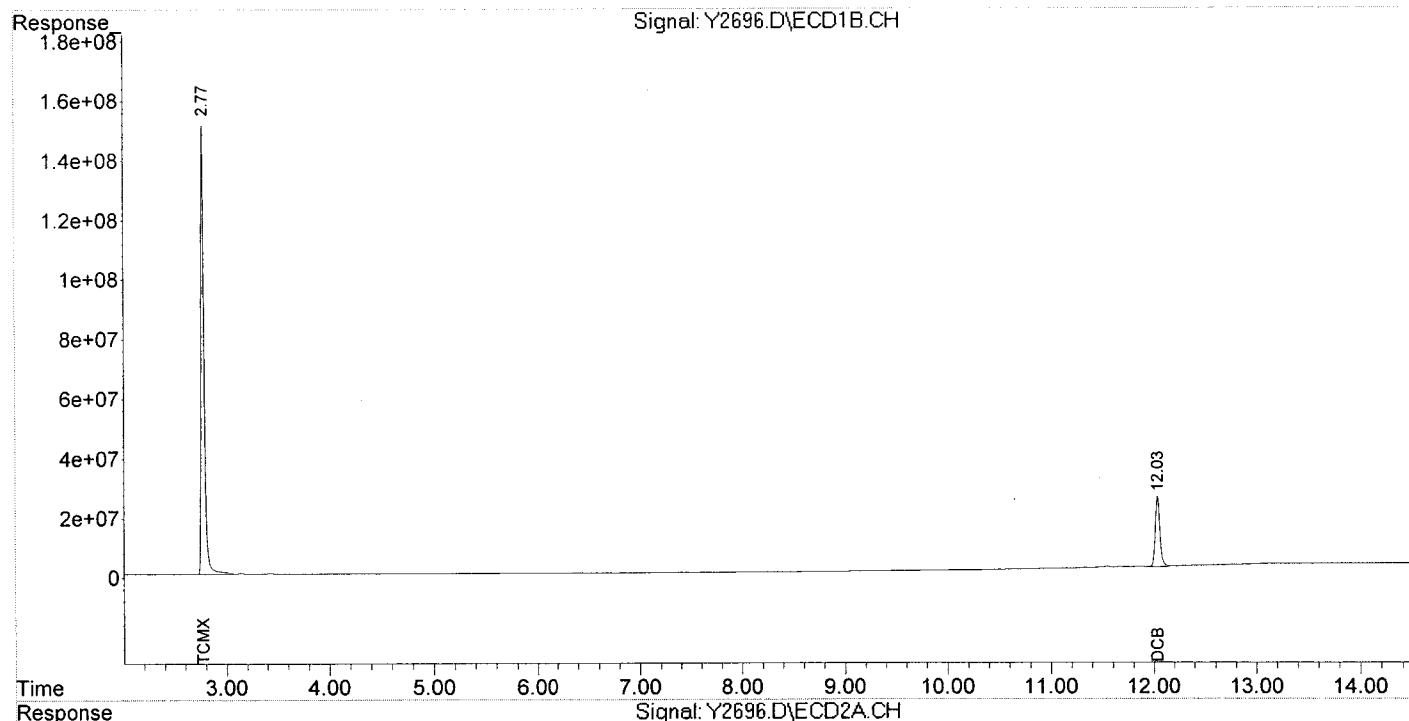
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
Data File : Y2696.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 17:36
Operator : NG
Sample : PCB.BLKA131101-10,A,1000ml,100,5
Misc : NA,11/01/13,NA,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 04 10:28:42 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131028-12

Client ID: PCB

Date Received: NA

Date Extracted: 10/28/2013

Date Analyzed: 10/29/2013

Data file: Y2546.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : Y2546.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 10:42
 Operator : JS
 Sample : PCB.BLKS131028-12.S,5.00g,0.20
 Misc : NA,10/28/13,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 13:07:20 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

System Monitoring Compounds

1) S TCMX	2.77	2.90	3347.6E6	7277.9E6	184.439	173.877
Spiked Amount	200.000			Recovery	= 92.22%	86.94%
2) S DCB	12.03	12.47	857.4E6	2308.6E6	117.566	147.000 #
Spiked Amount	200.000			Recovery	= 58.78%	73.50%

Target Compounds

Sum Aroclor-1016	0	0	N.D.	N.D.
Average Aroclor-1016			0.000	0.000
Sum Aroclor-1221	0	0	N.D.	N.D.
Average Aroclor-1221			0.000	0.000
Sum Aroclor-1232	0	0	N.D.	N.D.
Average Aroclor-1232			0.000	0.000
Sum Aroclor-1242	0	0	N.D.	N.D.
Average Aroclor-1242			0.000	0.000
Sum Aroclor-1248	0	0	N.D.	N.D.
Average Aroclor-1248			0.000	0.000
Sum Aroclor-1254	0	0	N.D.	N.D.
Average Aroclor-1254			0.000	0.000
Sum Aroclor-1260	0	0	N.D.	N.D.
Average Aroclor-1260			0.000	0.000
Sum Aroclor-1262	0	0	N.D.	N.D.
Average Aroclor-1262			0.000	0.000
Sum Aroclor-1268	0	0	N.D.	N.D.
Average Aroclor-1268			0.000	0.000

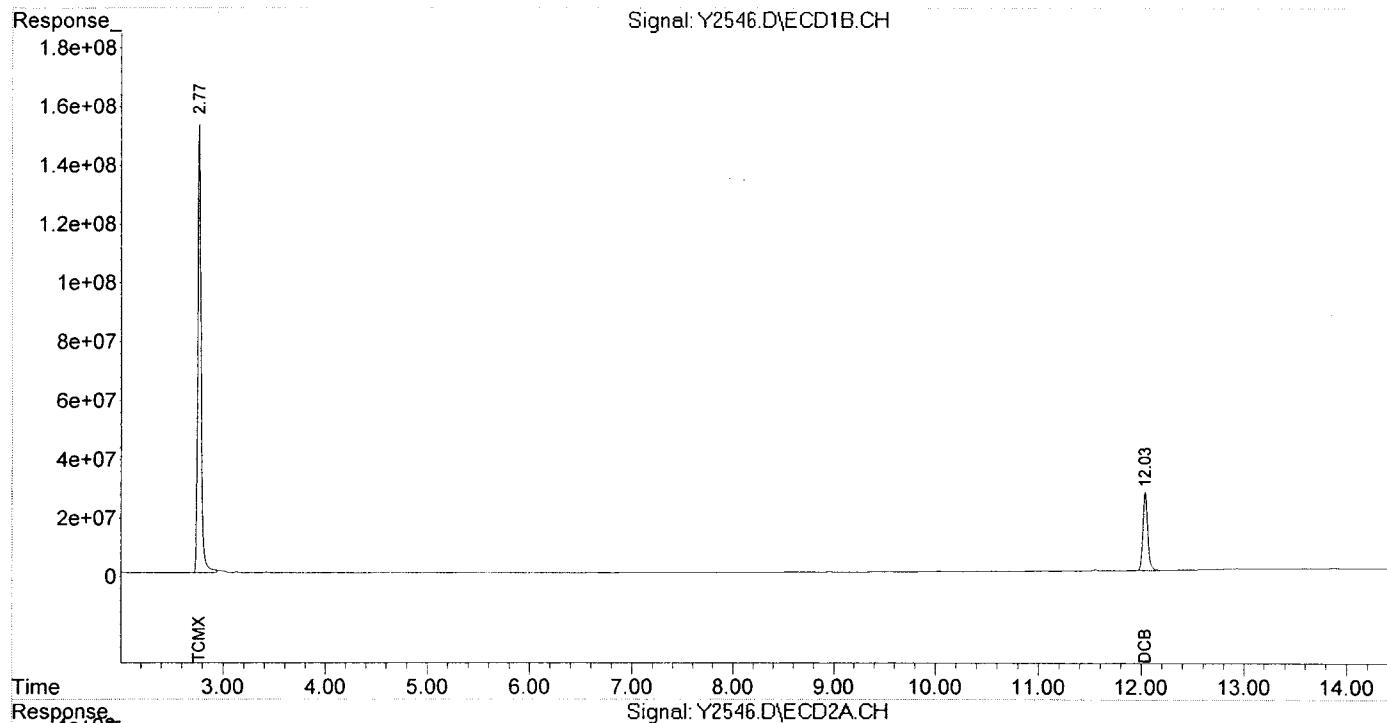
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : Y2546.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 10:42
Operator : JS
Sample : PCB, BLKS131028-12.S, 5.00g, 0.20
Misc : NA, 10/28/13, NA, 1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 13:07:20 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131029-04

Client ID: PCB

Date Received: NA

Date Extracted: 10/29/2013

Date Analyzed: 10/29/2013

Data file: R5036.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
 Data File : R5036.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Oct 2013 14:37
 Operator : NG
 Sample : PCB,BLKS131029-04,S,5.00g,0,20
 Misc : NA,10/29/13,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 29 15:18:26 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
 Quant Title :
 QLast Update : Fri Oct 18 14:06:50 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

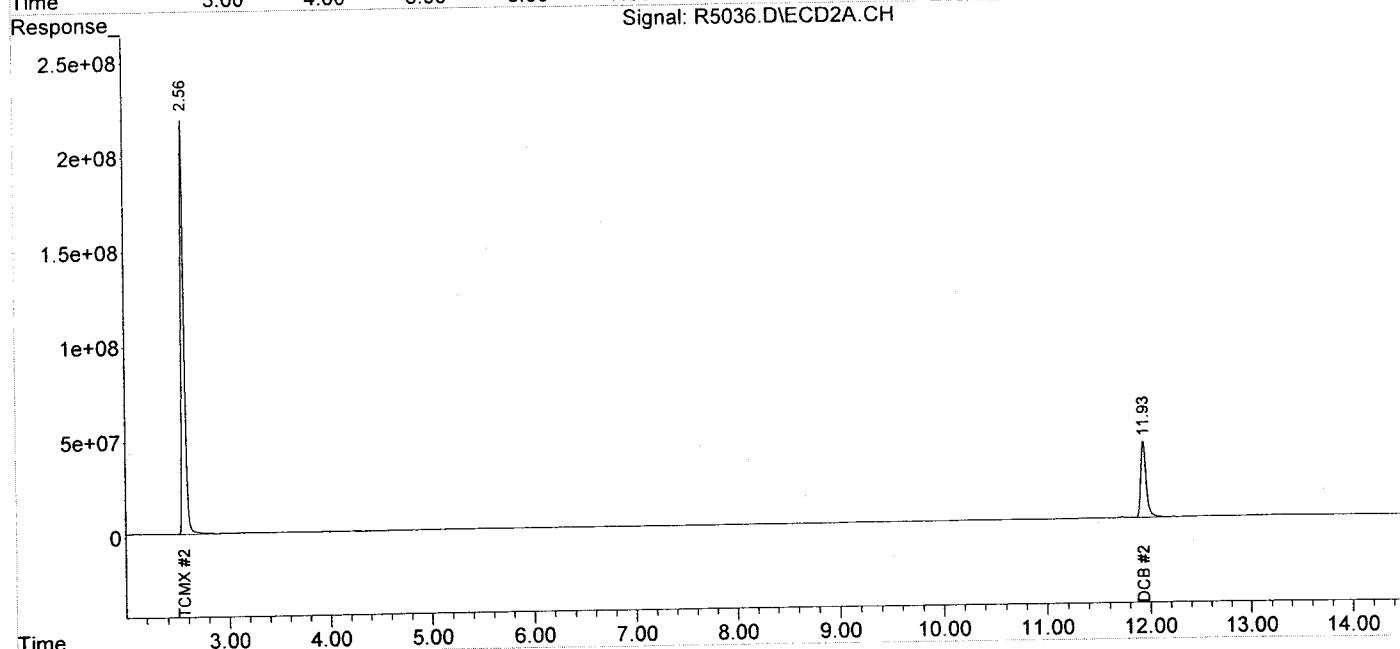
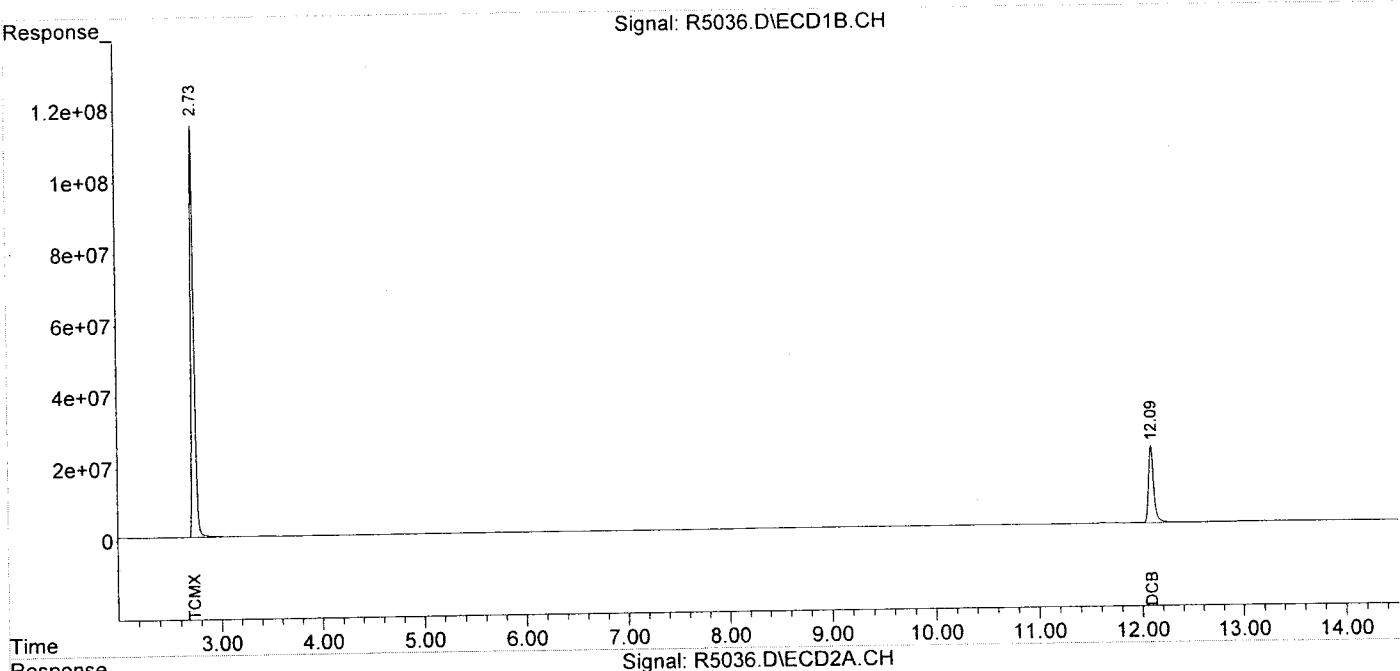
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2416.2E6	4717.3E6	200.256	179.642
Spiked Amount	200.000			Recovery	= 100.13%	89.82%
2) S DCB	12.09	11.94	778.7E6	1486.9E6	197.411	179.495
Spiked Amount	200.000			Recovery	= 98.71%	89.75%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-29-13\
Data File : R5036.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Oct 2013 14:37
Operator : NG
Sample : PCB, BLKS131029-04, S, 5.00g, 0, 20
Misc : NA, 10/29/13, NA, 1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 15:18:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1018.M
Quant Title :
QLast Update : Fri Oct 18 14:06:50 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO		Turnaround Time (starts the following day if samples rec'd at lab > 5PM)									
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby		*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE									
Address: 2109 Bridge Ave., Bldg. B	Address:	same											
Point Pleasant, NJ 08742				PHC - MUST CHOOSE									
Telephone #: (732) 295-2144				NJ EPH DRO (5 day TAT) NJ EPH Fractionated (5 day TAT)									
Fax #: (732) 295-2150				NJ EPH - C40 (5 day TAT)									
Project Manager: James Clabby				DRO-8015 (3-5 day TAT) QAM025 (5 day TAT)									
EMAIL Address: jclabby@jmceenvironmental.com				Verbal/Fax: Std 2 wk unless otherwise specified									
Sampler: Steve Kosch, Chris Cho				24 hr** 48 hr** 72 hr** 96 hr** 1 wk**									
Project Name: Arsynco (with copy to: JMC Environmental (attn.: J. Clabby))				Other** (specify): _____									
Project Location (State): NJ Attn: Ed Kelly				Hard Copy: Std 3 week * Other - call for price									
Bottle Order #:				Cooler Temp <4 °C									
PO # 22126				ANALYTICAL PARAMETERS									
Quote #: SR041205				# BOTTLES & PRESERVATIVES									
DW - Drinking Water AQ - Aqueous WW - Waste Water													
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)													
S - Soil SL - Sludge SOL - Solid W - Wipe													
SAMPLE INFORMATION		Sampling		#	Container	TCL PCB (80/82)	HCl	HNO3	MeOH	H2SO4	NaOH/ZnAc	Sterile	
Client ID		Depth (ft only)	Date	Matrix	Container #	IAL #							
CC-47 (0-1.0)			10/25/13	10:08	5	1	x						
CC-47 (1.0-2.0)				10:09	5	1	x						
DD-47 (0-1.0)				10:45	5	1	x						
DD-47 (1.0-2.0)				10:46	5	1	x						
BB-47 (0-1.0)				11:20	5	1	x						
BB-47 (1.0-2.0)				11:21	5	1	x						
BB-47 (2.0-3.0)				11:22	5	1	x						
AA-47 (0-1.0)				12:05	5	1	x						
Known Hazard: Yes or No		Describe: Conc. Expected: Low Med High		MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)									

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by: <i>[Signature]</i>	10/25/13	14:35	Received by: <i>[Signature]</i>	10/25/13	14:35
Relinquished by: <i>[Signature]</i>	10/25/13	16:00	Received by: <i>[Signature]</i>	10/25/13	16:00
Relinquished by: <i>[Signature]</i>			Received by: <i>[Signature]</i>		
Relinquished by: <i>[Signature]</i>			Received by: <i>[Signature]</i>		
Relinquished by: <i>[Signature]</i>			Received by: <i>[Signature]</i>		

Comments:

Lab Case # 10679 PAGE: 1 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

67

10/25/13
TO



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO		Turnaround Time (starts the following day if samples rec'd at lab > 5PM)											
Company: JMC Environmental Consultants, Inc.		REPORT TO: James Clabby		*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE											
Address: 2109 Bridge Ave., Bldg. B		Address: same													
Point Pleasant, NJ 08742															
Telephone #: (732) 295-2144		Attn:													
Fax #: (732) 295-2150		FAX # (732) 295-2150													
Project Manager: James Clabby		INVOICE TO: Aceto Corp.													
EMAIL Address: jclabby@jmceenvironmental.com		Address: 4 Tri Harbor Court													
Sampler: Steve Kosch, Chris Cho		Port Washington, NY 11050													
Project Name: Arsynco		(with copy to: JMC Environmental (attn.: J. Clabby))													
Project Location (State): NJ		Attn: Ed Kelly													
Bottle Order #:		PO # 22126													
Quote #: SR041205		Sample Matrix													
DW - Drinking Water		AQ - Aqueous		WW - Waste Water											
OI - Oil		LIQ - Liquid (Specify)		OT - Other (Specify)											
S - Soil		SL - Sludge		SOL - Solid											
W - Wipe															
SAMPLE INFORMATION		Sampling		Matrix	# containers	IAL #	ANALYTICAL PARAMETERS							# BOTTLES & PRESERVATIVES	
Client ID	Depth (ft only)	Date	Time	TCL PCB (9082)											
AA-47 (1.0-2.0)		10/25/13	12:06	X										HCl	
AA-47 (2.0-3.0)			12:07	X										HNO3	
AA-47 (3.0-4.0)			12:08	X										MeOH	
U-45R (0.0-3.0)			1:15	X										H2SO4	
U-45R (3.0-4.0)			1:16	X										NaOH/ZnAc	
U-45N(1)(5.0-6.0)			1:43	X										Sterile	
T-45 (4.0-5.0)			2:05	X											
FB-26			2:15	AQ	2	16	X								
Known Hazard: Yes or No		Describe:		Conc. Expected:		Low	Med	High	MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)						

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by: <i>Scall J</i>	10/25/13	14:35	Received by: <i>WJL</i>	10/26/13	14:35
Relinquished by: <i>WJL</i>	10/25/13	14:00	Received by: <i>WJL</i>	10/26/13	16:00
Relinquished by: <i>WJL</i>			Received by:		
Relinquished by: <i>WJL</i>			Received by:		
Relinquished by: <i>WJL</i>			Received by:		

Comments:

Lab Case #

10679

PAGE: 2 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

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PROJECT INFORMATION

E13-10679: ARSYNCO

To: Jim Clabby
 JMC Environmental Consultants
 Fax: 1(732) 295-2150
 EMail: jclabby@jmcenvironmental.com; ah

Report To

JMC Environmental Consultants
 2109 Bridge Avenue
 Building B
 Point Pleasant, NJ 08742
 Attn: Jim Clabby

Bill To

JMC Environmental Consultants
 Aceto Corp.
 4 Tri Harbor Court
 Port Washington, NY 11050
 Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Oct 25, 2013 @ 16:00	NA	Nov 08, 2013	Nov 15, 2013 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

**** QC Requirement (must meet): NJ SRS**

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
10679-001	CC-47(0-1.0)	0/1.0	10/25/13@10:08	Soil	mg/Kg (ppm)	
10679-002	CC-47(1.0-2.0)	1.0/2.0	10/25/13@10:09	Soil	mg/Kg (ppm)	
10679-003	DD-47(0-1.0)	0/1.0	10/25/13@10:45	Soil	mg/Kg (ppm)	
10679-004	DD-47(1.0-2.0)	1.0/2.0	10/25/13@10:46	Soil	mg/Kg (ppm)	
10679-005	BB-47(0-1.0)	0/1.0	10/25/13@11:20	Soil	mg/Kg (ppm)	
10679-006	BB-47(1.0-2.0)	1.0/2.0	10/25/13@11:21	Soil	mg/Kg (ppm)	
10679-007	BB-47(2.0-3.0)	2.0/3.0	10/25/13@11:22	Soil	mg/Kg (ppm)	
10679-008	AA-47(0-1.0)	0/1.0	10/25/13@12:05	Soil	mg/Kg (ppm)	
10679-009	AA-47(1.0-2.0)	1.0/2.0	10/25/13@12:06	Soil	mg/Kg (ppm)	
10679-010	AA-47(2.0-3.0)	2.0/3.0	10/25/13@12:07	Soil	mg/Kg (ppm)	
10679-011	AA-47(3.0-4.0)	3.0/4.0	10/25/13@12:08	Soil	mg/Kg (ppm)	
10679-012	U-45R(2.0-3.0)	2.0/3.0	10/25/13@13:15	Soil	mg/Kg (ppm)	
10679-013	U-45R(3.0-4.0)	3.0/4.0	10/25/13@13:16	Soil	mg/Kg (ppm)	
10679-014	U-45N(1)(5.0-6.0)	5.0/6.0	10/25/13@13:43	Soil	mg/Kg (ppm)	
10679-015	T-45(4.0-5.0)	4.0/5.0	10/25/13@14:05	Soil	mg/Kg (ppm)	
10679-016	FB-26	NA	10/25/13@14:15	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
002	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
003	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
004	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
005	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
006	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
007	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013



PROJECT INFORMATION

E13-10679: ARSYNCO

<u>Sample #</u>	<u>Test</u>	<u>Status</u>	<u>QA Method</u>	<u>TAT</u>	<u>Holding Time Expires</u>
008	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
009	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
010	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
011	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
012	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
013	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
014	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
015	TCL PCB	Analyze	8082A	STD/2 WKS	11/8/2013
016	TCL PCB	Analyze	8082A	STD/2 WKS	11/1/2013



INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

10679

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE

KEY

 = YES/NA = NOVOA received: Encore IGW - Methanol Terra Core No Preservative

- Bottles Intact
- no-Missing Bottles
- no-Extra Bottles

- Sufficient Sample Volume
 - no-headspace/bubbles in VOs
 - Labels intact/correct
 - pH Check (exclude VOs)¹
 - Correct bottles/preservative
 - Sufficient Holding/Prep Time¹
- Multiphasic Sample
- Sample to be Subcontracted
- Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: _____

SAMPLE(S) VERIFIED BY: INITIAL DATE 10/25/13CORRECTIVE ACTION REQUIRED: YES

(SEE BELOW)

NO If COC is NOT clear, **STOP** until you get client to authorize/clarify work.CLIENT NOTIFIED: YES

Date/ Time: _____

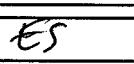
NO

PROJECT CONTACT: _____

SUBCONTRACTED LAB: _____

DATE SHIPPED: _____

ADDITIONAL COMMENTS: _____

VERIFIED/TAKEN BY: INITIAL DATE 10/28/13

REV 03/2013 E13-10679 0141

Laboratory Custody Chronicle

IAL Case No.

E13-10679

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/25/2013@16:00

Department: GC

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
TCL PCB	10679-001	Soil	10/28/13	Archimede	10/29/13	Nicole
"	-002	"	10/28/13	Archimede	10/29/13	Nicole
"	-003	"	10/28/13	Archimede	10/29/13	Nicole
"	-004	"	10/28/13	Archimede	10/29/13	Nicole
"	-005	"	10/28/13	Archimede	10/29/13	Nicole
"	-006	"	10/28/13	Archimede	10/29/13	Nicole
"	-007	"	10/28/13	Archimede	10/29/13	Nicole
"	-008	"	10/28/13	Archimede	10/29/13	Nicole
"	-009	"	10/28/13	Archimede	10/29/13	Nicole
"	-010	"	10/29/13	Archimede	10/29/13	Nicole
"	-011	"	10/29/13	Archimede	10/29/13	Nicole
"	-012	"	10/29/13	Archimede	10/29/13	Nicole
"	-013	"	10/29/13	Archimede	10/29/13	Nicole
"	-014	"	10/29/13	Archimede	10/29/13	Nicole
"	-015	"	10/29/13	Archimede	10/29/13	Nicole
"	-016	Aqueous	11/ 1/13	Archimede	11/ 1/13	Nicole